Yahoo Group Archive: 49megahertz

Yahoo Group summary: 49MHz Experimental Radio

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2017. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2001-12-20 through 2012-12-21

Source WARC: 49megahertz.9htwTGk.warc.gz

Source item: https://archive.org/details/yahoo-groups-2017-04-01T21-03-27Z-cdf32a

Messages included in this PDF: 1165

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

1. New poll for 49megahertz

Yahoo group: 49megahertz
Date: 2001-12-20 21:57:16 UTC
From: 49megahertz@yahoogroups.com
Topic: 1 Message: 1

Enter your vote today! A new poll has been created for the
49megahertz group:

How often do you use 49MHz? (Not
including RC car or cordless phone
operatio

o Every day
o Every other day
o Every week
o Every month
o Less than once a month

To vote, please visit the following web page:

http://groups.yahoo.com/group/49megahertz/polls

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

2. New poll for 49megahertz

Yahoo group: 49megahertz
Date: 2001-12-20 21:58:52 UTC
From: 49megahertz@yahoogroups.com
Topic: 1 Message: 2

Enter your vote today! A new poll has been created for the
49megahertz group:

What do you use 49MHz for?

o Communicating with other hobbyists
o Communications inside your house
o Scanner repeater
o For fun
o HT use

To vote, please visit the following web page:

http://groups.yahoo.com/group/49megahertz/polls

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

3. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2001-12-20 22:05:14 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 3

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /scanner-repeater.txt
Uploaded by : kb3hfp <Fbs1050@...>
Description : How to turn your 49MHz baby monitor into a scanner repeater - by Bob Parnass, AJ9S

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/scanner-repeater.txt

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

kb3hfp <Fbs1050@...>

4. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2001-12-20 22:20:16 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 4

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /qrp49rig.txt
Uploaded by : kb3hfp <Fbs1050@...>
Description : How to "modify" a cordless phone to make it a 49MHz rig

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/qrp49rig.txt

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

kb3hfp <Fbs1050@...>

5. Test Message

Yahoo group: 49megahertz
Date: 2001-12-20 22:29:50 UTC
From: kb3hfp
Topic: 5 Message: 5

123 123

6. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2001-12-23 20:08:32 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 6

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /2freqlist.txt
Uploaded by : kb3hfp <Fbs1050@...>
Description : A list of frequencies and suggested uses (calling frequencies, etc.) Sort of like the Ham 'Considerate Operator's Frequency Guide' only unofficial and for the 49MHz band

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/2freqlist.txt

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

kb3hfp <Fbs1050@...>

8. Uses for 49MHz?

Yahoo group: 49megahertz
Date: 2002-01-10 16:42:10 UTC
From: Fbs1050@aol.com
Topic: 8 Message: 8

Hello all,
<Stepping on soapbox> I was just wondering -- does anyone else use their modded cordless phone as an intercom / P.A. system? If not, what do you use 49MHz for? When I bought my cordless phone for 49MHz use, I noticed that the HT could control an "intercom" on the base unit. It also has a very loud speakerphone, so when I want it to be a P.A. system, I put it in a good place and turn up the volume. Then I just go into another room and operate from the HT. Plus, when it's in intercom mode it's at VERY low power, so interference is almost zero. I was just wondering what others used 49MHz for. <Stepping off soapbox, slipping, falling, and walking away, muttering something about 49MHz.> :)
73,
Michael
KB3HFP

9. 49MHz Net Idea

Yahoo group: 49megahertz
Date: 2002-01-25 20:42:39 UTC
From: kb3hfp
Topic: 9 Message: 9

Hey everybody, I just had a weird (but hopefully good) idea - I'm thinking about setting up a net on 49MHz where 49MHz hobbyists can talk to each other over the air next time 6 meters is open. For those who don't know, 6m is a licensed amateur radio band 1MHz up from 49MHz, so when 6m is open, chances are 49MHz is too. When a band is "open", it can be used to talk to a certain part of the world (or country) if you use the right antenna and frequency. Does anyone have any suggestions for frequencies, dates, etc.?
73,
Michael
Amateur Radio Operator KB3HFP
49MHz O

10. Re: [49MHz] 49MHz Net Idea

Yahoo group: 49megahertz
Date: 2002-01-26 12:17:48 UTC
From: Simon _
Topic: 10 Message: 10

-----Original Message-----
From: "kb3hfp" <Fbs1050@...>
Date: Fri, 25 Jan 2002 20:42:39 -0000
To: 49megahertz@yahoogroups.com
Subject: [49MHz] 49MHz Net Idea

> Hey everybody, I just had a weird (but hopefully good) idea - I'm
> thinking about setting up a net on 49MHz where 49MHz hobbyists can
> talk to each other over the air next time 6 meters is open. For those
> who don't know, 6m is a licensed amateur radio band 1MHz up from
> 49MHz, so when 6m is open, chances are 49MHz is too. When a band is
> "open", it can be used to talk to a certain part of the world (or
> country) if you use the right antenna and frequency. Does anyone have
> any suggestions for frequencies, dates, etc.?
> 73,
> Michael
> Amateur Radio Operator KB3HFP
> 49MHz O

Unless you were to go miles from a town I can't see the usual low power devices channels being any good for DX operation, with a 6 metre mobile aerial baby monitors can be heard on high ground for up to 5 miles away.
There's 'freeband' operation around 49.250 using SSB in some parts of the world, using modified amateur radio equipment. It isn't very common and I've never heard of anyone here in the UK doing it.

Simon
NW England
--

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11. Re: [49MHz] 49MHz Net Idea

Yahoo group: 49megahertz
Date: 2002-01-26 18:26:24 UTC
From: Fbs1050@aol.com
Topic: 10 Message: 11

Just a question... what is the 49MHz allocation in England. Here in the U.S. it's used for low power devices. There used to be a lot of cordless phones in the band, but now it's mainly dead.
73,
Michael
KB3HFP

12. Re: [49MHz] 49MHz Net Idea

Yahoo group: 49megahertz
Date: 2002-01-26 22:36:41 UTC
From: Simon _
Topic: 10 Message: 12

-----Original Message-----
From: Fbs1050@...
Date: Sat, 26 Jan 2002 13:26:24 EST
To: 49megahertz@yahoogroups.com
Subject: Re: [49MHz] 49MHz Net Idea

> Just a question... what is the 49MHz allocation in England. Here in the U.S.
> it's used for low power devices. There used to be a lot of cordless phones in
> the band, but now it's mainly dead.
> 73,
> Michael
> KB3HFP

In the UK 49 - 49.5 is allocated to on-site paging systems. 49.425 - 49.475 is used for paging in hospitals.
49.5 - 49.8 isn't used for much
49.82 - 49.98 is the low power (10 mW or less) band for type approved equipment. This includes walkie talkies and baby monitors. There were a few 'serious' walkie talkies (you didn't need to pretend you were action man or barbie when using one) but these have mostly been discontinued since the 8 channel PMR446 allocation was made available across Europe.
Cordless phones are on 31.0375 - 31.2125 (base) paired with 39.9375 - 40.1125 (mobile) in the UK. There is an allocation from 47.45625 - 47.54375 (mobile) paired with 1.642 - 1.782 MHz (yes that's right 160 metres!) but no new phones use this band.
Some baby monitors and walkie talkies operate outside the approved band but all the ones available in high street shops are type approved.

Simon
NW England
--

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13. Re: [49MHz] 49MHz Net Idea

Yahoo group: 49megahertz
Date: 2002-01-26 22:24:48 UTC
From: Fbs1050@aol.com
Topic: 10 Message: 13

Okay, thanks for the info. In the U.S., the allocations are mainly 46-47, 49-50 for low power use, but in the UK, the general focus of the group would be 49.82 - 49.98. BTW, does anyone have any advice on building a 1/2 wave dipole for 49MHz (yeah, I know, I have no life at all. :)
73,
Michael
KB3HFP

14. Re: [49MHz] 49MHz Net Idea

Yahoo group: 49megahertz
Date: 2002-01-27 04:45:52 UTC
From: STEVE
Topic: 10 Message: 14

IF YOU WANT TO BUILD YOUR OWN DIPOLE DEVIDE 468 BY THE FREQ WHICH GIVES YOU A 1/2 WAVE DIPOLE IN FEET.
468/49.8=9.3975 FEET=108 INCHES+.3975FEET=.3975X12=4.77 INCHES,IN TOTAL =112.77 INCHES.:-)))))
ALL THE BEST
STEVE
ZERO ONE

----- Original Message -----
From: Fbs1050@...
To: 49megahertz@yahoogroups.com
Sent: 26 January 2002 22:24
Subject: Re: [49MHz] 49MHz Net Idea

Okay, thanks for the info. In the U.S., the allocations are mainly 46-47,
49-50 for low power use, but in the UK, the general focus of the group would
be 49.82 - 49.98. BTW, does anyone have any advice on building a 1/2 wave
dipole for 49MHz (yeah, I know, I have no life at all. :)
73,
Michael
KB3HFP

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To unsubscribe from this group, send an email to:
49megahertz-unsubscribe@yahoogroups.com

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15. 49 mhz conversion to 6 meter QRP

Yahoo group: 49megahertz
Date: 2002-02-21 03:11:33 UTC
From: devilsradio
Topic: 15 Message: 15

HI ALL!!!
My name is Mike (va3mjw) and I live in Eastern Ontario Canada.....I accidently came accross this group in my search for info on radio conversions on the WWW.I was wondering if anyone was aware that some of the 49mhz kiddie walkie talkies were convertable to 6m....I have come accross some tech info , and it is a very simple proccess...alas the most recent info was dated '93'.....does any one have recent info on this?The last entry mentioned more experimentation on the project...adding an amplification stage...and further mods were planned...but that's where it stops.
49mhz DX?...Hmmmm, never accured to me...maybe using CW?...and a dipole, great idea..but how to connect it ?...How about installing a chasis mount SMA connector, as these are being used on the mini ht's companies are puting out these days.......Mike va3mjw

16. Re: [49MHz] 49 mhz conversion to 6 meter QRP

Yahoo group: 49megahertz
Date: 2002-02-21 14:37:10 UTC
From: Fbs1050@aol.com
Topic: 16 Message: 16

There's a file on converting kiddie walkie-talkies to 6m in the Files section of the group website. It says you can change crystals, but I have never seen a wt that uses crystals, just tuning knobs for 42-50. I'm working on modifying a wt to 6m as well as trying to set one up for a dipole. The only antenna connector on it is a simple metal piece, but I'm going to try to solder(?) a connector on and build a dipole (if I ever get the time) It's only 300mw but I'm trying to figure out how to amplify it. Any suggestions?
Michael
KB3HFP

17. HI MICHAEL./..dipoles and connectors...

Yahoo group: 49megahertz
Date: 2002-02-21 19:01:13 UTC
From: devilsradio
Topic: 17 Message: 17

Hi Michael !!!
You are right THE NEW tranceivers are synthisized, and
the multichannel rigs are to hard to work with.If you could find a 5
channel rig with chrystals , you may be able to operate it...but it
would have to be set up for 52 mhz....and I'm not sure if the fm
versions will operate that high.What I have read is that the cheaper
single channel handies with the code sender are being used.These are
actually transmitting and receiving in AM mode....cw/AM???that works
perfect.as for the freq. ...I read that you should install at 50.070
chrystal which is near the end of the cw allowication (and I guess
am phone is acceptable here.So what you got is a AM/CW 6m qrp
rig ....Now if you could get enough hams playing around your area
with these little babies ...what fun !!!....It is possible to work DX
with 1 watt or less on 6 meters.I read in an older issue of CQ , that
a ham clinched 200 grid squares (and holds the record) using less
than a watt.Now that's cool!!!...I guess though it took him 2 years ,
and a lot of patients.
Dipoles are real easy to make...an old cb trick is to
get a lenth of coax (try to keep it around 12 feet long if possible)
and with a piece of old extention cord...cut the length of the leg
you need.now pull the cord apart so you have 2 exact size
pieces......the coax should have spade lugs on one end...and srip the
ends of the cord and hardwire each peice to a different end on the
coax (spaded end)tape up carefully with electric tape..and there is
your dipole.....the dipole should be cut to the exact freq...in this
case 50.70 =9 ft. 3 inches...or 2 legs each side 4 ft. 7 1/2
inches......as for a connector, I would take the antenna off, and try
to fit a tiny sma connector (which is being used these days on the
smaller mini handhelds).....you may have to bore the whole a little
wider to fit the radio....connect the antenna wire to the
connector...and soldier a ground wire from the connector to somewhere
on the chasis of the radio......Now this is just theory...I hav,nt
built one yet...I'm trying to find an apropriate radio.sometimes the
crystal is soldiered to the board...I want one with a crystal
recepticle......Mike va3mjw

18. looked at the file.....

Yahoo group: 49megahertz
Date: 2002-02-21 21:25:34 UTC
From: devilsradio
Topic: 18 Message: 18

Hi All!!!
Looked at the file on the 6 m conversion......was not aware
that the little handies ..the fm units...were being used in
52.00.......the kiddie versions I have come accross have only one
crystal....(for simplex obviously).....this is great though if you
want to work a local repeater...and you would still need an older
model radio with a crystal recepticle......The info I have is dated
1980...and 1993....I wanted to find out what was being done on the cw
side of things.....and the fact that there are no local repeaters in
my area kinda puts a damper on that idea....I do see a pair of 49ers
on ebay , with code sender and may bid on them.....these look to be
older models as they have rod antennas...........If anyone can dig up
more info on this , i'd apreciate it....73' Mike

19. Re: [49MHz] looked at the file.....

Yahoo group: 49megahertz
Date: 2002-02-21 23:24:23 UTC
From: Fbs1050@aol.com
Topic: 19 Message: 19

If you don't want to bid on eBay, there's usually a large amount of 49 radios w/keyer at Toys 'R Us! :)
73 ... Michael

20. Re: [49MHz] looked at the file.....

Yahoo group: 49megahertz
Date: 2002-02-23 01:56:12 UTC
From: kb3hfp
Topic: 19 Message: 20

BTW, what is the URL for the eBay auction you're looking at? Don't worry, I don't want to outbid you, just wanted to check it out. 73 de KB3H

21. 49mhz dx ???????

Yahoo group: 49megahertz
Date: 2002-02-24 00:11:32 UTC
From: devilsradio
Topic: 21 Message: 21

Hi mike....
You got me thinking about this 49 mhz DX...with it's
close location to 6 m band...I don't see why it is not
possible.....While I think there may be an fcc rule against
it...hmmmm, as long as we stay within the power requirements...We
could get away with it...what do you think????....Mike Welsh

22. Re: [49MHz] 49mhz dx ???????

Yahoo group: 49megahertz
Date: 2002-02-24 00:39:46 UTC
From: Fbs1050@aol.com
Topic: 22 Message: 22

There isn't much mention of 49MHz on the FCC website at all, but I believe the power limit is in the mw's. It's all in the antenna, I guess. :) Don't think there's any other restrictions. Any comments from anyone? List is silent recently except for Mike.
73 de Michael ... KB3HFP

23. Re: [49MHz] 49mhz dx ???????

Yahoo group: 49megahertz
Date: 2002-02-24 01:00:48 UTC
From: rb@millbury.net
Topic: 22 Message: 23

On Saturday 23 February 2002 07:39 pm, you wrote:
> There isn't much mention of 49MHz on the FCC website at all, but I believe
> the power limit is in the mw's. It's all in the antenna, I guess. :) Don't
> think there's any other restrictions. Any comments from anyone? List is
> silent recently except for Mike.

Well, I just joined the list so I might as well make trouble! ;)

According to FCC rules:

Sec. 15.235 Operation within the band 49.82-49.90 MHz.

(a) The field strength of any emission within this band shall not
exceed 10,000 microvolts/meter at 3 meters. The emission limit in this
paragraph is based on measurement instrumentation employing an average
detector. The provisions in Sec. 15.35 for limiting peak emissions
apply.

The maximum output measurement is 10,000 micovolts measured at 3 meters from
the antenna. No mention of output in milliwatts. From experience, this can be
anywhere from 10 mW to 50 mW actual RF output.

(c) For a home-built intentional radiator, as defined in
Sec. 15.23(a), operating within the band 49.82-49.90 MHz, the following
standards may be employed:
(1) The RF carrier and modulation products shall be maintained
within the band 49.82-49.90 MHz.
(2) The total input power to the device measured at the battery or
the power line terminals shall not exceed 100 milliwatts under any
condition of modulation.

This limits output since it no device is 100% efficient, output will HAVE to
be under 100 milliwatts.

(3) The antenna shall be a single element, one meter or less in
length, permanently mounted on the enclosure containing the device.

Antenna restriction is single element (usually means no coils or groundplane)
of less than 39.37 inches. Also must be mounted on the device itself - no
coax.

Now *if* you planned on following the FCC rules, then you are really
restricted to the above. If you move up to the six meter band, then regular
amateur radio rules (part 97) apply.

Of course, I won't complain if someone wants to beef their 49 MHz signal up
for "experimental" purposes. Don't interfere with legitimate communications
and it is highly unlikely that anyone else would complain either.

Complete FCC part 15 rules and regs are at:

http://www.access.gpo.gov/nara/cfr/waisidx_01/47cfr15_01.html

-- Rob

-= rb@... =-

24. Re: [49MHz] 49mhz dx ???????

Yahoo group: 49megahertz
Date: 2002-02-24 01:11:03 UTC
From: Fbs1050@aol.com
Topic: 22 Message: 24

Thanks! But according to these rules, almost every corldess phone and toy walkie-talkie ever produced breaks FCC regs!!!
73 ... de Michael KB3HFP

25. 6 meter beacons...

Yahoo group: 49megahertz
Date: 2002-02-24 01:13:45 UTC
From: rb@millbury.net
Topic: 25 Message: 25

I haven't noticed any mention of this in the archives but one idea for use of a 49 MHz device could be for a 6 meter beacon. These beacons are used for propogation purposes and could be easily adapted since all you need to do is switch the carrier on and off for CW. Beacon bandplan is: 50.060 thru 50.080 MHz

I suppose that you could also do this at 49 MHz for the non-ham experimenters. Its much noiser in that part of the spectrum but you may be able to hear CW thru it.

There are lots of beacon keyer projects out there. Some are pretty simple kits and I've seen one that will interface with a PC so the message can be changed at will.

Some URLs:

http://www.solorb.com/elect/hamcirc/beacon/
http://ourworld.compuserve.com/homepages/drcp/beacon.htm
http://www.highnoonfilm.com/xmgr/
http://www.computerpro.com/~lyle/pc-keyer/pc-keyer.htm

- Rob

-= rb@... =-

26. Re: [49MHz] 49mhz dx ???????

Yahoo group: 49megahertz
Date: 2002-02-24 01:20:23 UTC
From: rb@millbury.net
Topic: 22 Message: 26

On Saturday 23 February 2002 08:11 pm, you wrote:
> Thanks! But according to these rules, almost every corldess phone and toy
> walkie-talkie ever produced breaks FCC regs!!!

Yeah, Michael, I know. I was just responding to the fact that the original message said nothing was mentioned on the FCC site.

Personally, I think it would be fun to see some DX going on here. In the days before cordless phones, there use to be some folks down in Florida running radiotelephones (illegally) that could be heard here in New England. They used freqs up in the 47-48 MHz range.

- Rob

-= rb@... =-

27. 6 meter beacons (more info)

Yahoo group: 49megahertz
Date: 2002-02-24 02:02:52 UTC
From: rb@millbury.net
Topic: 25 Message: 27

From a portion of: http://home.att.net/~weatheradio/part15.htm

VHF "Low-Band" or 6 Meters (49.82 - 49.9 MHz) Part 15 Stations

KEY:

6 Meter Part 15 operations are subject to the regulations of Section 15.235 which stipulate the following rather unusually strict limits: field strength not to exceed 10,000 uV (10 mV) /meter at 3 meters (~10 feet), measured using an average detector (this means modulation is included, making FM the most advantageous voice mode); the total power input to the entire device (not just finals but the whole unit) must not exceed 100 mW including modulation (again FM is to be preferred for this reason), the antenna must not exceed 1 meter (3.28 ft.) in length (not height) and must be permanently attached to the transmitter and of course out-of-band emissions must be attenuated to 20 dB down or better (if within 10 kHz of a band edge, 26 dB or better), and operating bandwidth including sidebands must lie wholly within the band.

Any mode may be used (there are no provisions to the contrary) except that cordless telephones are not permitted to operate under the provisions of this Section. They may still operate in this band, however, but in accordance with their own Rule part (15.233). Children's toy walkie-talkies and baby monitors also operate here, as well as R/C car and plane controllers (although on the bright side, all the above also make for readily available sources for inexpensive transmitters or parts). Radio Shack is one potential source for such rigs. CW esp. QRSS would be best for weak-signal DX, and as recommended above, FM should be used for voice operations.

Receiving is a whole other story: the low-noise GaAs FET preamps familiar to EME operators and large Yagi antennas or arrays will likely be needed to maximize the potential of this range. Propagation here is identical to that in the amateur 6 meter band (50 - 54 MHz); an unusual and fascinating melange of both HF and VHF-like characteristics, a kind of 'transition band' if you will. Because of this, at any given time there is likely to be some anomaly or another which will make for interesting DX potential. Ionospheric propagation modes such as F-layer reflection, transequatorial propagation and sporadic-E skip are present here with F-skip most prevalent in peak sunspot years, giving rise to worldwide DX possibilities; but so are tropospheric ducting and refraction, meteor scatter, aircraft reflection, and other more VHF-like modes. Ionospheric E-skip or sporadic-E is most prevalent in the seasons of the longest and shortest days of the year (midsummer and midwinter) with the summer openings being more frequent and stronger. Tropospheric refraction is also most prevalent in the summer months with temperature inversions being the cause.

Apparently at one time there was much experimental activity here but it has long since died out. According to a recent post by Les Rayburn, N1LF (of LOWFER/MEDFER "XMGR"/"XM"): "...Just got in a batch of back issues of the VHF/UHF Digest (Official Publication of the Worldwide TV-FM Association). In the March 1991 issue, there is a full page ad for "The Association to Promote 49MHz"...According to the ad their aim was to promote interest in the 49MHz band. The club issued unique W49 and K49 identifiers, similar to callsigns, to all members. They also published a journal and a directory of active stations. The publisher was Michael Goetsch of Lakewood Ohio...It would be interesting to see what kind of results these guys had on the band." However, interest is now being revived, perhaps in part because of our present good sunspot conditions and also because of a need for a band which performs in the summer as well as LF does in winter (as mentioned, VHF sporadic-E and tropo modes are most prevalent in the warmer months). Also, in light of the recent major strides made in weak signal modes, this band, as well as any other Part 15 segment can now be used to greater advantage than was ever before possible.

More activity is expected here from the LOWFER/MEDFER community very soon, as per much discussion on the LOWFER Reflector. These stations have been dubbed "49ers" so following the LOWFER/MEDFER/HIFER convention in this site, experimental beacons will be so designated.

49.8525 (49er) "NC", Stanfield, NC. Operated by Dexter McIntyre, W4DEX of LOWFER, MEDFER and HIFER "NC" reknown. This is the first 49er in operation: on air 06/06/01. CW mode. Hours opn.: during E-skip openings (which might occur at any time, thus the frequency is designated here in bold). Dex sez: "...I could only get 50% efficiency from the old Western Electric transistor so it's 50 mW output until someone helps me with a more efficient design....The directly attached antenna is a [1] meter whip loaded with a 40 - 50 MHz Larsen mobile coil with one added turn to get the required whip length to resonate....Presently the signal source is a synthesized generator.? I plan to replace it with a crystal oscillator when I get one to operate stable enough for QRSS. Keying is synchronized with NC Hifer and MedFER as the keyer is common to all beacons running 3 dot second QRSS. I probably won't run this beacon continuously until a crystal oscillator is used.? I monitor the 6 meter [amateur] band just about all the time and am usually aware of sporadic E openings.? As soon as I hear any E skip signals on 6 meters I will crank up the 49er if it isn't already on." We wish Dex good luck!

-- Rob

-= rb@... =-

28. Where no Man has Gone Before ???

Yahoo group: 49megahertz
Date: 2002-02-24 13:51:41 UTC
From: devilsradio
Topic: 28 Message: 28

HEY Guys....
If we are going to play within these freqs...49-51mhz....and with low power..it would make more sense to use cw mode....or a reasonable factsimole(code sender)...I will leave some inquiry msgs. on QRZ...and DX zone.com to find some complete information on 49mhz to 6m conversion....Doesn't Maxon make a 49mhz radio that runs more than mws????.....And there would have never been the 11 m experience , if hobby radio operators didn't take the chance and work dx contacts over 27.405 (no insult to mr. Hollingsworth).....I've been trying to learn code so I can get into the lower freqs...this may be the ticket.....Mike va3mjw

29. Re: [49MHz] 49mhz dx ???????

Yahoo group: 49megahertz
Date: 2002-02-24 14:32:16 UTC
From: Simon _
Topic: 22 Message: 29

-----Original Message-----
From: "rb@..." <rb@...>
Date: Sat, 23 Feb 2002 20:00:48 -0500

> Sec. 15.235 Operation within the band 49.82-49.90 MHz.
>
> (a) The field strength of any emission within this band shall not
> exceed 10,000 microvolts/meter at 3 meters. The emission limit in this
> paragraph is based on measurement instrumentation employing an average
> detector. The provisions in Sec. 15.35 for limiting peak emissions
> apply.

10 mV/m at 3 metres on 49 MHz is around 100 microwatts ERP.

--

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30. Re: [49MHz] Where no Man has Gone Before ???

Yahoo group: 49megahertz
Date: 2002-02-24 14:47:18 UTC
From: Simon _
Topic: 30 Message: 30

-----Original Message-----
From: "devilsradio" <devilsradio@...>
Date: Sun, 24 Feb 2002 13:51:41 -0000
To: 49megahertz@yahoogroups.com
Subject: [49MHz] Where no Man has Gone Before ???

49 MHz is used in the UK for hospital and other on-site paging services (as well as low power devices). A lot of 49 MHz isn't used by anyone because of VHF TV on 49.75 MHz from eastern Europe, it can be very strong in summer. 49.5 - 49.82 and 49.98 - 50.00 are not used by any service I can think of, nothing shown in any frequency guide. Unfortunately we have very little freedom of information and are not allowed to find out who does use a certain non-amateur frequency (or listen for activity). Unlike the USA, our national frequency database is secret.

--

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31. ??????

Yahoo group: 49megahertz
Date: 2002-02-24 15:15:15 UTC
From: devilsradio
Topic: 31 Message: 31

HEY Guys!!!!!
OK I'm seeing lots of regs. now what....obviously 49 mhz
is being used in the UK for other things besides personal
communications...Isn't there a 4 meter band located in the 70mhz
band?......Yea that's very unfortunate that The WORLD FREQS are not
coordinated together.....Maybe this Group should be called 49MHZ
OR BUST!!! lol......set up of something right on 50 mhz might bring
it in line with the rest of us...What are the regs for operation just
below...say 49.995 mhz in UK and North America?....Mike va3mjw

32. Re: [49MHz] ??????

Yahoo group: 49megahertz
Date: 2002-02-24 16:50:56 UTC
From: Simon _
Topic: 32 Message: 32

From: "devilsradio" <devilsradio@...>
Date: Sun, 24 Feb 2002 15:15:15 -0000
>What are the regs for operation just
> below...say 49.995 mhz in UK and North >America?....Mike va3mjw

49.98 - 50 isn't really allocated to anything in the UK. It's like 27.4 - 27.6 MHz, licenced users can't do anything with it because of interference but the RA can't say it's open for anyone to use for whatever they want.
Baby monitors and walkie talkies don't normally go above 49.950 even though they are allowed to, quite a few use 49.950 but I've never heard anything in the 49.95 - 49.98 range although this is still the low power devices band. Maybe the cheap receivers would be swamped with 6 metre SSB and CW signals if they operated any higher.
49.965 - 49.995 would be a possible band for experiments in 49 MHz communications. Also perhaps 49.765 - 49.815 MHz. These leave 15 KHz from the nearest widely used baby monitor channels and 15 KHz from the vision carrier of the 49.75 MHz TV signals.
On slightly related topic, in the UK the PMR446 (similar to family radio) band on 446 MHz is attracting some interest from radio hobbyists who have found that most commercial 70 cms gear will work perfectly well on there (as it was designed to cover the 420 - 450 MHz of the American band). 27 MHz CB radio has declined a lot recently and some of the CBers who gave up have re-appeared on 446 MHz using non-approved equipment (Icom ICQ7 handies etc.). I wonder if the same thing happens with FRS or are things more tightly regulated with that. PMR446 is a Europe-wide specification and the Radiocommunications Agency don't really have a lot of control over it.

Simon

--

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33. Re: [49MHz] Where no Man has Gone Before ???

Yahoo group: 49megahertz
Date: 2002-02-24 21:45:56 UTC
From: Fbs1050@aol.com
Topic: 30 Message: 33

Actually, 50-51 is allocated to hams (but you knew that...) just so everyone else on the list knows... you need a license to transmit there.
73 ... de Michael ... kb3hfp

34. Callsigns

Yahoo group: 49megahertz
Date: 2002-02-25 17:38:14 UTC
From: Fbs1050@aol.com
Topic: 34 Message: 34

I was just thinking about how to ID on 49MHz... Rob mentioned that the Association to Promote 49MHz issued W49 and K49 callsigns, but I don't think that's a good idea... too bureaucratic, getting too close to sounding like an authority instead of a hobbyist group. I'm thinking something like this:

<49><Ham or Non-Ham><QTH><Initials>

It would begin with 49, for the 49MHz band. Next would be a H or N for ham or non-ham. Then their local callsign district (if in the U.S., in the ARRL format, C for Canada, E for Europe, DX for anywhere else). Next would be the initials of the op to sum everything up.

So if my name was John Smith and I was a licensed ham operator KC3XYZ., I'd be 49H3JS.

Or if I was named Mark Thompson and I was not a ham, and my QTH was Rome, Italy, I'd be 49NEMT.

Or, finally, since I know you're all sick of these examples :), if I was named Sally Miller, I was a ham, and I was located in China, I'd be (here's a long one) 49HDXSM.

What do y'all think?

73 ... de Michael ... KB3HFP

35. Re: Callsigns

Yahoo group: 49megahertz
Date: 2002-02-26 12:16:48 UTC
From: the_wireless_man
Topic: 34 Message: 35

--- In 49megahertz@y..., Fbs1050@a... wrote:

> Or, finally, since I know you're all sick of these examples :), if I was
> named Sally Miller, I was a ham, and I was located in China, I'd be (here's a
> long one) 49HDXSM.
>
> What do y'all think?
>
> 73 ... de Michael ... KB3HFP

What about usual 11 metre DX callsigns? - like 2XY49 for someone is the USA and 49XY49 for someone in the Balearic Islands. A country prefix between 1 and 341 (341 is Gozo which I'm not sure is even a recognised DXCC country), initials then 49 for the 49 MHz band.

36. Club, IDing, n'at.

Yahoo group: 49megahertz
Date: 2002-02-27 00:06:19 UTC
From: Fbs1050@aol.com
Topic: 36 Message: 36

I've got a bunch of new news (new news? news that's new? newer news? acckk!!) on 49MHz stuff.

I've decided to start a smaller club for 49MHz, like the old Association for the Promotion of 49MHz (btw, does anyone know when it went under?!) with a newsletter, identifier issuing (if i ever finish on a id'er format!), and some other stuff... and of course, an actual website. :) Any comments or ideas?

Good idea on the 11m identifiers... that way the DX wouldn't need to be completely unidentified by callsign, which would be very important if they were transmitting QRSS (where short text is important!!! :) I was thinking the original format for the US 49+H/N+ARRL ID'er+Initials, and for elsewhere D49+H/N+11m ID'er+initials, but then the callsigns for DX stations would be so long (would you want to be D49H210AZ? :-) Maybe I better stick with "D" instead of the ARRL ID'er for DX stations. :)

73 de Michael 49H3MA

37. Re: Welcome to the 49megahertz group

Yahoo group: 49megahertz
Date: 2002-03-04 07:55:15 UTC
From: Community Radio Station
Topic: 37 Message: 37

Thank you, Moderator/Owner...
Glad to be aboard...

In this day of IC's and VLSI (ULSI?) I don't
suppose anyone here is planning on using older
tube/valve equipment for experimenting on 49 ?!

Was tuning the recv VFO on my HA-460 around below
50 MHz a little earlier, heard a couple carriers
that were probably 'baby monitors', a cordless
session, and not much more. Of course this was
on the AM mode... Going to look through some
of my older books, as I think I saw construction
projects for outboard FM modulators and demods.
An I also recall seeing a Japanese sight a while
back (don't remember the URL) that showed an
integral FM circuit that had a toggle switch on
the front panel for switching back-n-forth.

That mod with a hot RF-PreAmp might have merit.

Doubt if the VFO in this Lafayette will be stable
enough for experimentation and minute freq select,
but if the crystal function were used for both T&R
it just might be usable :) Of course, I'll have
to 'pad' the output down a bit from it's current
8 watts - to something a bit more acceptable ;)

But then we ALL know it's the antenna that makes
the station, right ? So, with that in mind, has
anyone come up with a GREAT design for a 49MHz
array ? I prefer to 'brew.

Okay... Now I guess I'd better figure out
what callsign I should use. I guess I could use
something akin to a 'serial' or member# followed
by my MGS (eg 49CM88). Does that work for y'all ?

Anyone interested in coming up with a sheep-skin
with a membership# on it relating to this group ?
I think I remember seeing something on the web-
based msg reader about someone re-starting a club ?

Maybe called "49ER", for 49MHz Experimental Radio ?
(formulating a logo in my minds-eye, off to Gimp)

Anyone doing digital (data) experimentation on 49 ?
Always thought it would be neat to come up with a
local community wireless computer network that
could be linked to other networks further away via
one control point with a 'tight' pattern yagi, to
another control point in the other net using a sim
array. An omni for the community, a yagi each way
to link to an 'upstream' and a 'downstream' path.
The software wouldn't be a problem (NET or NOS),
and it could all run on a dedicated 286/386 or
better computer. Surely there must be a few of
them still left out here that can be rescued and
put back into operation :)

B.A.

--
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On 3 Mar 2002, 49megahertz Moderator wrote:

> I've added you to my 49megahertz group at Yahoo! Groups,

38. Beacon rates/modes ?

Yahoo group: 49megahertz
Date: 2002-03-04 08:00:47 UTC
From: Community Radio Station
Topic: 38 Message: 38

How many here could copy a 1200 baud digital beacon ?
Or should we go in the FeldHell, MT63, (etc) direction ?
That would mean a more powerful/expensive computer, to
run the waterfall/soundcard/etc software.

DOS on a 386 would work great for me here :)

B.A.

PS: Has there been a beacon freq discussed/designated ?

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39. Re: [49MHz] Beacon rates/modes ?

Yahoo group: 49megahertz
Date: 2002-03-04 19:24:17 UTC
From: Fbs1050@aol.com
Topic: 39 Message: 39

I could possibly copy a beacon once I got a better antenna set up. ASCII or QRSS maybe? QRSS could be the only possibility but the downside is that it's SLOWWWW... no ragchewing for sure. :)
73 ... Michael 49H3MA ... KB3HFP

40. Re: [49MHz] Re: Welcome to the 49megahertz group

Yahoo group: 49megahertz
Date: 2002-03-04 19:23:01 UTC
From: Fbs1050@aol.com
Topic: 40 Message: 40

Questions, questions, questions. Oh well, I have too much time on my hands anyway. =)

<<Doubt if the VFO in this Lafayette will be stable
enough for experimentation and minute freq select,
but if the crystal function were used for both T&R
it just might be usable :) Of course, I'll have
to 'pad' the output down a bit from it's current
8 watts - to something a bit more acceptable ;)>>
Try 50mw! Now that's major QRP! =)

<<But then we ALL know it's the antenna that makes
the station, right ? So, with that in mind, has
anyone come up with a GREAT design for a 49MHz
array ? I prefer to 'brew.>>
I'm working on building a dipole, still in the planning stages. Not sure how well it will work. Also not sure how I'll add a BNC to my modded kiddie wt without any loss (no real connector)

<<Okay... Now I guess I'd better figure out
what callsign I should use. I guess I could use
something akin to a 'serial' or member# followed
by my MGS (eg 49CM88). Does that work for y'all ?>>
I was thinking for people in the U.S., 49+H or N (ham or non-ham)+ ARRL area ID'er + First and last initials. So I'd be 49H3MA. For people outside of the US, 11m callsigns with 49 added to them.

<<Anyone interested in coming up with a sheep-skin
with a membership# on it relating to this group ?
I think I remember seeing something on the web-
based msg reader about someone re-starting a club ?>>
That's me, but it's not up yet. Still working on it. I'm thinking I'll do what the Association for the Promotion of 49MHz did and issue "Club Identifiers" something like my above ID'er formula.

<<Maybe called "49ER", for 49MHz Experimental Radio ?
(formulating a logo in my minds-eye, off to Gimp)>>
I like that one better than my former idea (49MHz Hobbyists Club). I'll need to somehow add "Club" to that. :) A logo is a great idea!!! I'll get to work on photoshop... eventually.

<<Anyone doing digital (data) experimentation on 49 ?>>
There is a group that belives DSL should be free that sends out a DLS data signal on 49MHz. My friend Ben KB3ERQ has the details on that. I also found a company that sells 49MHz wireless modems. ASCII, packet, or another digital mode? I have software on my computer that can do almost all digimodes.

73 ... Michael 49H3MA ... KB3HFP

41. Re: [49MHz] Beacon rates/modes ?

Yahoo group: 49megahertz
Date: 2002-03-04 16:11:11 UTC
From: Mr. K. Rudolph, KD7JYK
Topic: 39 Message: 41

1200 baud of what mode?

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Grounds

42. Re: [49MHz] Beacon rates/modes ?

Yahoo group: 49megahertz
Date: 2002-03-05 19:46:27 UTC
From: Fbs1050@aol.com
Topic: 39 Message: 42

I think he means digital modes in general. ASCII, packet, PSK?
73 ... de Michael ... 49H3MA ... Amateur KB3HFP

43. Re: [49MHz] Re: Welcome to the 49megahertz group

Yahoo group: 49megahertz
Date: 2002-03-05 23:22:51 UTC
From: Chris Lantaff
Topic: 40 Message: 43

Before you go designing an antenna for 49 MHz you might check the rules.
Not only is there a power limitation but antenna restriction of 1 meter single radiator attached to the xmitter.

Chris, KE9YK

<<But then we ALL know it's the antenna that makes
the station, right ? So, with that in mind, has
anyone come up with a GREAT design for a 49MHz
array ? I prefer to 'brew.>>
I'm working on building a dipole, still in the planning stages. Not sure how well it will work. Also not sure how I'll add a BNC to my modded kiddie wt without any loss (no real connector)

73 ... Michael 49H3MA ... KB3HFP

44. Re: [49MHz] Beacon rates/modes ?

Yahoo group: 49megahertz
Date: 2002-03-06 02:45:25 UTC
From: Mr. K. Rudolph, KD7JYK
Topic: 39 Message: 44

Yes, 1200 baud easy. Would 300 baud be better?

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Grounds

45. Re: Beacon rates/modes ?

Yahoo group: 49megahertz
Date: 2002-03-06 22:50:42 UTC
From: Community Radio Station
Topic: 39 Message: 45

Good question... :)

First thing that popped into my head was packet
(simply because I've messed with that (ampr.org)
more than the other modes - never did get RTTY
to operate very well); But perhaps something
with/without EC would be better; AMTOR, Syntor,
NAVTEX, FAX, etc ?

I've made some nice (sometimes reliable) contacts
on 10m's with 1200 baud AX.25 packet and TCP/IP,
but granted - something slower (like 300) might
work better, depending on fading, etc...

Would it be better to blast the whole string out
at once and maybe repeat it several times in rapid
succession to beat the fades, or send something a
little slower and try for a better copy that way ?
I think this is where the Multi-Tone modes really
shine, but I haven't had too much practical
experience using them (PSK31, MT63, WOLF, etc).

And what about emission modes ?!
Using the kiddie-talkies would of course be FM,
the HA-460's are AM. :-/ One could install a pad
(attenuator) at the antenna feedpoint that would
drop the output from the Lafayette down to the
50mw level (would be nice not to have to worry
about line-loss :) at the antenna, or perhaps
one might mount one of the kiddie-talkies in a
weatherproof box AT the feedpoint and bring the
audio in/out and power lines down to the operator
point in a shielded milticonductor cable.

Using the KT's I would think to be AFSK, but
not sure what modulating an AM carrrier would
be classified as ?! I always thought AM was a
better propagator than FM, although the S/N is
not near as good.

I have a very simple DOS program that uses the PC
speaker (or a homebrew parallel/serial interface)
to send/receive FeldHell MT tones and may try that
in the next couple weeks if I can collect the parts
necesssary for the interface. That SW would run on
one of my old 286 or 386 machines and that could be

dedicated to that job and left running 24/7 in order
to log any activity for review, with an autobootup
to restart the signal if power fails.

73 4 now - B.A.

--
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On Mon, 4 Mar 2002, Mr. K. Rudolph, KD7JYK wrote:

> 1200 baud of what mode?

46. Re: Array Design (was: Welcome...)

Yahoo group: 49megahertz
Date: 2002-03-06 23:36:27 UTC
From: Community Radio Station
Topic: 40 Message: 46

Good Point, Chris...

I think I may have mentioned this before,
on the other list, but didn't get many (+)
comments about it... Does that include
the 'image' section of the array ?

Let's see... ONE Meter is NOT a tuned length
for the 6.1m band so I presume something along
the lines of a 1/4 wavelength would be something
close to the best fractional size for max gain,
although still a little longer than rules allow :(
How do we get smaller than 1/6th the wavelength
and get any kind of match ? 1/8th wavelength ?

1/8th wavelength (doing a quick calc) would be
about 2.35 feet. Quite a bit shorter than the
rule limit. What about fractions of that, maybe
3/16th wl (~3.52', still a little long)-;
Anyone have an antenna analyser that would be
willing to experiment with radiator lengths ?
Maybe you could find a fractional resonant
frequency length that conforms to the rule
limitations... :) I'll get out my GDO and plug
a telescoping antenna into it (if I can find one
long enough) and see what happens at various lengths...

If the rules do not specify anything about an
image (mirror) element, then perhaps the xcvr
mounted in a weatherproof shielded box with
the 'radiator' protruding on one side and the
image (or ground radial) exiting the opposite
side, with a loading circuit to match the ele-
ments to the xcvr inside the box, might work.

My minds-eye pictures perhaps a copper clad
(at least on the inner surfaces) box with two
seperate compartments - one for the xcvr PCB,
and the other for the RF matching circuit.

Here again, the control lines (audio in/out,
power, PTT) could be run via shielded cable
to the operator/computer position. And if
some kind of receive preamp is needed, it
could be added to the remote 'box' by making
another seperate section between the RF load

and the xcvr sections. Are JFETs still the
way to go on that, or is there some cutting-
edge DSP amplifier technology available now
that would fit in that small a space ?

And lastly... The question of the definition of
a "radiator" comes into view. Are the rules
specific in that there are no parasitics allowed,
or could one possibly place some sort of a
reflector behind the 1-meter "radiator" (maybe
a corner reflector), and/or perhaps a parasitic
director in front of it ?!

Would those elements be considered "driven"
or connected to the transmitter, even though
it's only through 'Near Field RF induction' ?

Would that meet the rule for a SINGLE radiator ?

Some copper screen of the proper size, bent at
an angle, laminated, and placed behind the 'box/
array' might do wonderful things for a pattern :)
It could even - if mounted in such a way, be
possible to rotate the array between polarizations
from behind the screen reflector.

Just brainstorming... Thoughts ? Comments ?
Please excuse any mis-calculations for the time being.

B.A.

--
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On Tue, 5 Mar 2002, Chris Lantaff wrote:

> Before you go designing an antenna for 49 MHz you might check the
> rules. Not only is there a power limitation but antenna restriction
> of 1 meter single radiator attached to the xmitter.
>
> Chris, KE9YK
>
> <<But then we ALL know it's the antenna that makes
> the station, right ? So, with that in mind, has
> anyone come up with a GREAT design for a 49MHz
> array ? I prefer to 'brew.>>
>
> I'm working on building a dipole, still in the planning stages. Not

> sure how well it will work. Also not sure how I'll add a BNC to my
> modded kiddie wt without any loss (no real connector)
>
> 73 ... Michael 49H3MA ... KB3HFP
>
>

47. Re: [49MHz] Re: Beacon rates/modes ?

Yahoo group: 49megahertz
Date: 2002-03-06 23:38:45 UTC
From: Mr. K. Rudolph, KD7JYK
Topic: 47 Message: 47

You name the mode, I have it.

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Grounds

48. Club update

Yahoo group: 49megahertz
Date: 2002-03-07 04:06:31 UTC
From: Fbs1050@aol.com
Topic: 48 Message: 48

Hey everbody,
Quick update on the 49MHz club I'm starting. I took B.A.
(ASCR@...)'s advice and named it 49er (49MHz Experimental Radio
Club). I just designed a logo (you can get it in the reflector photos area or
at http://members.aol.com/fbs1050/49er.gif). I'm working on the club
newsletter, QSL card, roster, web site, etc. Any suggestions?
73 ... Michael ... 49MHz Operator 49H3MA ... Amateur KB3HFP

49. Re: [49MHz] Club update

Yahoo group: 49megahertz
Date: 2002-03-07 04:13:21 UTC
From: Mr. K. Rudolph, KD7JYK
Topic: 49 Message: 49

Hmmm... I'm lousy at QSL design, but at first glance the first thing that pops into my mind is the San Francisco 49ers, I think they are a football team or something...

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Grounds

50. Re: [49MHz] Club update

Yahoo group: 49megahertz
Date: 2002-03-07 04:23:27 UTC
From: Fbs1050@aol.com
Topic: 49 Message: 50

Kurt -
Are you active on the spooks stations mailing list as well? For some reason I remember a Kurt at a "Roseta Proving Grounds". Or maybe not. =) I have a rough draft for a QSL for myself (identifier 49H3MA), a QSL for the "club station" (49H3RC, the same as my station under a different identifier), and a club beacon (49H3BC, if I ever make a beacon).
73 ... Michael ... 49MHz Operator 49H3MA ... Amateur KB3HFP

51. Re: [49MHz] Club update

Yahoo group: 49megahertz
Date: 2002-03-07 04:49:45 UTC
From: Mr. K. Rudolph, KD7JYK
Topic: 49 Message: 51

Yep, sitting here in my underground office three levels down....

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Grounds

52. Loggings, Equipment, Etc.

Yahoo group: 49megahertz
Date: 2002-03-13 03:12:41 UTC
From: Fbs1050@aol.com
Topic: 52 Message: 52

I took some 49er loggings today because I was bored. This was on my scanner with a 144MHz whip antenna, so obviously I didn't catch much. But here's the loggings anyway. BTW, does anyone on this list actually have a working 49MHz station (no, it doesn't matter if it's a top-of-the-line homebrew radio or a kiddie HT)? I'm working on a 49MHz Operators Roster for the club website.

49.1500 - Dead carrier with static
49.1550 - Dead carrier with static
49.5000 - Dead carrier with static
49.5050 - Dead carrier with static
49.8550 - Local baby monitor
49.8900 - Dead carrier with static
50.0000 - Not in 49MHz, but what sounded like SSB or FM voice traffic in the background along with a tone and static. Possibly a sign of a 6.1m opening?

73 Michael 49H3MA

53. new kid on the block

Yahoo group: 49megahertz
Date: 2002-03-13 14:41:49 UTC
From: dahwoo2
Topic: 53 Message: 53

hello all,

my name is david(kf4wbj) in chapel hill,nc. im very interested in 49
mhz communication,along with 50 mhz.
i was wondering if anyone here has or could point me to a good
schematic for 49 mhz fm xmitter. i want to homebrew my own station.
from expeiriance i know that 250mw to 1/2 watt is all ill need for
good communication.
if not a schematic then a place to buy a (good) radio would work.
im also into homebrewing antennas. so help on that to please.
ok glad to be aboard and hope to see some of you on the air soon.
david
(kf4wbj)

54. Re: [49MHz] Loggings, Equipment, Etc.

Yahoo group: 49megahertz
Date: 2002-03-13 14:47:45 UTC
From: Simon _
Topic: 54 Message: 54

I've got a baby monitor set, does that count as a transceiver?! Never been used for monitoring babies, only as a "cordless loudspeaker" for my radio shack so I can listen while watching TV.
Maybe the dead carrier on 49.15 MHz was the Forum 28 Theatre in Barrow-in-Furness, England as they have a faulty paging system which is stuck on 24 hours a day on that frequency. The aerial they use is a half wave outdoors over 50 feet above the ground - you did think there might be an opening on 6 metres :-)

Simon
26DT595

----- Original Message -----
From: Fbs1050@...
Date: Tue, 12 Mar 2002 22:12:41 EST
To:
Subject: [49MHz] Loggings, Equipment, Etc.

> I took some 49er loggings today because I was bored. This was on my scanner
> with a 144MHz whip antenna, so obviously I didn't catch much. But here's the
> loggings anyway. BTW, does anyone on this list actually have a working 49MHz
> station (no, it doesn't matter if it's a top-of-the-line homebrew radio or a
> kiddie HT)? I'm working on a 49MHz Operators Roster for the club website.

--

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55. Re: [49MHz] Loggings, Equipment, Etc.

Yahoo group: 49megahertz
Date: 2002-03-13 16:19:53 UTC
From: Fbs1050@aol.com
Topic: 54 Message: 55

Yeah, I think that counts... I'm the one on modded kiddie talkies!
73
Michael
49H3MA

56. New Member

Yahoo group: 49megahertz
Date: 2002-03-18 18:37:47 UTC
From: jhguetherman
Topic: 56 Message: 56

Hello all. My name's John. I've been a general radio hobbyist since about 7 years of age. I'm 31 now. Got started when my dad joined a volunteer fire company's fire police unit in Abington Township, PA., and he got an Electra Bearcat 210 scanner, (which I still have), a 2-channel Regency VHF-high HT with the fire company and fire police channels in it, and a C.B. (KBKF9922 was his callsign, "Firebear" was his handle).

I became interested in ham radio about 1980, but didn't get licensed untill late 1990, KB7MIB. Got a GMRS license, KAE7927, in the Fall of 1991 which I renewed once, but mistakenly allowed to expire last year. Will relicense soon.

I'm also interested in 49 MHz, (obviously), C.B., FRS, and the new MURS band.

Happened to stumble across this group through a link on John Wilkerson's FRS website.
(http://members.tripod.com/~jwilkers/frspage.html)

I own an Icom W32A dual-band Amateur HT, a Radio Shack TRC-226 CB HT, a Radio Shack TRC-512 5-channel 49 MHz HT, a Radio Shack 21-1850 Mobile FRS, a PRO-43 handheld scanner, a PRO-2020 base scanner, and the aforementioned BC-210 scanner.

I also own a Standard C-558A Amateur dual-band HT with a broken battery slide-rail, and a Maxon GMRS 210+3 GMRS HT, which seems to have a software/firmware problem, and a completely dead battery. Had owned a Uniden BC-235 Trunktracker handheld scanner, but it was lost or stolen a year and a-half ago.

I like the idea of a remotely-operated 49 MHz radio which has been mentioned. Similar to how Radio Shack got around the similar requirements for a non-detachable antenna on the mobile FRS of theirs. (http://www.popularwireless.com/gmrsradioshack211850.html if anyone isn't familiar with it.) Hopefully, that idea can be explored further.

As for id's, someone mentioned prefixing 49 to their grid square location. That would make me 49DM33. At least untill someone else popped up in the area, then I would need to go find the two extra indicators for my location. 49DM33(xx). (xx) being whatever those two letters would be.

Well, this was *supposed* to be a short intro. Sorry! :-)

John H. Guetherman
KB7MIB Amateur Technician (Plus Code)
KAZ7FA Registered Monitor Station
SSB-83T 11m SSB Network
KAE7927 GMRS (expired)
Peoria, AZ.

57. Re: [49MHz] 49 mhz conversion to 6 meter QRP

Yahoo group: 49megahertz
Date: 2002-03-18 19:15:36 UTC
From: jhguetherman
Topic: 16 Message: 57

--- In 49megahertz@y..., Fbs1050@a... wrote:
> There's a file on converting kiddie walkie-talkies to 6m in the Files section of the group website. It says you can change crystals, but I have never seen a wt that uses crystals, just tuning knobs for 42-50. I'm working on modifying a wt to 6m as well as trying to set one up for a dipole. The only antenna connector on it is a simple metal piece, but I'm going to try to solder(?) a connector on and build a dipole (if I ever get the time). It's only 300mw but I'm trying to figure out how to amplify it. Any suggestions?
> Michael
> KB3HFP

From qsl.net:

http://www.qsl.net/n5sdd/mods/mods/tandy/49mhz.txt

Refers to "A group of hams in Santa Barbara, CA did this within the last year, and the radios seem to work great. They use them to access a local 6m repeater."

Gives the call of a Ham to contact for further info.

John.

58. Re: [49MHz] 49 mhz conversion to 6 meter QRP

Yahoo group: 49megahertz
Date: 2002-03-18 22:52:28 UTC
From: Mr. K. Rudolph, KD7JYK
Topic: 16 Message: 58

What country has 49 MHz radios with tuning knobs???

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Grounds

59. Re: [49MHz] New Member

Yahoo group: 49megahertz
Date: 2002-03-18 23:30:51 UTC
From: Les Rayburn
Topic: 56 Message: 59

Another newcomer here...but very active on Part 15 communications for years on the LF
bands (160-190khz). My primary interest in all this is weak signal work and to that
end, I look towards modes like QRSS (slow speed CW), PSK31, etc. as being the most useful.

My setup currently is geared towards 6 meter amateur and TV DX work. I've got a three
element 6M beam at about 50 feet with two large log VHF TV antennas at about 40 feet.
All are equipped with GasFET low noise pre-amps to set the system noise figure and
they feed an Icom R-7000 receiver and an Icom 746 transceiver which will both cover
the 49mhz band.

Using this set up, I can pick up cordless phones, walkie talkies and other 49mhz
signals from over 25 miles away!

In terms of weak signal experiments, I'd love to attempt reception of 49mhz beacons
(that we would construct and put on the air) via Sporadic E propagation. June is fast
approaching which is usually one of the best months for this mode.

Anyone else interested in weak signal work on 49mhz?

73,

Les Rayburn, N1LF
Helena, AL

Les Rayburn, director
High Noon Films
100 Centerview Drive
Suite 111
Birmingham, AL 35216
(205) 824-8930
(205) 824-8960 FAX
(205) 253-4867 CELL

60. Re: [49MHz] 49 mhz conversion to 6 meter QRP

Yahoo group: 49megahertz
Date: 2002-03-20 08:54:53 UTC
From: jhguetherman
Topic: 16 Message: 60

--- In 49megahertz@y..., "Mr. K. Rudolph, KD7JYK" <kc7vdg@e...> wrote:
> What country has 49 MHz radios with tuning knobs???
>
> Kurt
>
> ---
> Ross Technologies Signals Intelligence Division
> Rosetta Proving Grounds

They may be referring to the potentiometer (pot) for the frequency determining circuitry.

John H. Guetherman
KB7MIB/KAZ7FA/SSB-83T/KAE7927
Peoria, AZ.

61. New member and still familar and experienced with 49 MHz

Yahoo group: 49megahertz
Date: 2002-04-08 02:17:29 UTC
From: electronicdx
Topic: 61 Message: 61

Hello I am a new member with 49 MHz. Thru my kid years I didn't know what my walkie talkies ran on until I read a book on scanner radio. I will soon get my Amatuer Radio Licence to get on 6 meters and other mtr bands. I use my 49 MHz "basic" rig to talk to other people who use the radiosW/Ts . I know about 49 MHz DX, but a rare catch to do. Can you guys help me construct a really good antenna for 49 MHz rare DX and 2 way communicator receive reception, and are there any thing like this on the internet? thanks.

This is a great radio hobby group, I thought this woulden't exist on the web keep up the great work. Adam Ebel SWL/Hobbyist/Future HAM. 73

62. Re: [49MHz] New member and still familar and experienced with 49 MHz

Yahoo group: 49megahertz
Date: 2002-04-08 03:30:40 UTC
From: Fbs1050@aol.com
Topic: 62 Message: 62

<Listmod stepping onto soapbox> Welcome to 49MHz_Hobbyists, Adam! Good luck on passing your ham test - it's not too hard. Thanks for all the great feedback (and for awakening the list... it's been quiet lately. There's been much discussion on antennas (it's hard to make a good antenna for the band without breaking FCC regs), but I believe someone attempted to post an attatchment to the list with an antenna image awhile back. (The "list monster" eats attatchments :) There's not really any other 49MHz sites other than Dexter McIntyre (I hope I spelled that right. If not, sorry.), who is a fellow ham and 49MHz operator. Right now I'm working on an actual 49MHz radio club and website but don't expect it until June. At least we have a logo. :) Okay, I think I've babbled enough for now. Anyone else have any antenna ideas? <Listmod steps off soapbox, trips, falls, and walks away, muttering something about 49MHz>
73 de Michael / 49H3MA / Ham KB3HFP / :)

63. Re: [49MHz] New member and still familar and experienced with 49 MHz

Yahoo group: 49megahertz
Date: 2002-04-08 17:17:25 UTC
From: Simon
Topic: 62 Message: 63

--- Fbs1050@... wrote:

> Okay, I think I've babbled enough for now. Anyone
> else have any antenna
> ideas?

I use a half size G5RV aerial for 6 metres at the moment. The SWR is 3:1 with no tuner. Not the intended use for this aerial but it is better than a random length of wire. Having the wire sloping probably helps a bit.

_____
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64. Re: [49MHz] New member and still familar and experienced with 49 MHz

Yahoo group: 49megahertz
Date: 2002-04-11 00:15:24 UTC
From: electronicdx
Topic: 62 Message: 64

OK I will try that, is 49.860 7 meters? Cause I could put out another longwire antenna that is 7 meters, the dipole could use a RF receiver amp. Help me out. How or where do I get this such of an antenna? :-).

--- In 49megahertz@y..., Simon <the_wireless_man@y...> wrote:
>
> --- Fbs1050@a... wrote:
>
> > Okay, I think I've babbled enough for now. Anyone
> > else have any antenna
> > ideas?
>
> I use a half size G5RV aerial for 6 metres at the
> moment. The SWR is 3:1 with no tuner. Not the intended
> use for this aerial but it is better than a random
> length of wire. Having the wire sloping probably helps
> a bit.
>
> _____
> Do You Yahoo!?
> Yahoo! Tax Center - online filing with TurboTax
> http://taxes.yahoo.com/

65. Re: [49MHz] New member and still familar and experienced with 49 MHz

Yahoo group: 49megahertz
Date: 2002-04-11 01:35:57 UTC
From: Fbs1050@aol.com
Topic: 62 Message: 65

49.8600 would be 6.1 meters.
73 de Michael / 49H3MA / Amateur KB3HFP

66. Re: [49MHz] New member and still familar and experienced with 49 MHz

Yahoo group: 49megahertz
Date: 2002-04-11 04:01:27 UTC
From: Adam Ebel
Topic: 62 Message: 66

Ok I understand, I have to do the math more often, I'll get it up. :-)
Fbs1050@... wrote: 49.8600 would be 6.1 meters.
73 de Michael / 49H3MA / Amateur KB3HFP

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67. Re: [49MHz] New member and still familar and experienced with 49 MHz

Yahoo group: 49megahertz
Date: 2002-04-12 21:31:33 UTC
From: Simon
Topic: 62 Message: 67

The "G5RV" aerial in its full size form is 102 feet
across the top. It is fed in the middle with around 9
meters (I don't spell it like that) of 300 ohm twin
feeder. This is then connected to 50 ohm coax either
directly or through a 1:1 balun. The half size aerial
is half the size (51 feet across the top and 4.5
meters of twin feeder). The actual length of 300 ohm
feeder depends on the velocity factor of the stuff you
are using and if 450 ohm line is used, the length must
also be changed.
Using computer software prediction, this aerial isn't
very good on 6 meters but a G5RV can be affected by
the angle of the feeder to the wire, the height above
ground and whether it is horizontal or sloping.
This evening I was talking to another local ham about
dual band HF/6 meter aerials and I thought about a 1/2
wave CB vertical, the aluminium tube type. If this was
extended so that it was resonant on 25 MHz, would it
also be resonant at 50 MHz but as 1/1 wavelength
radiator? If so there is the uneven radiation pattern
to worry about but it's something I'll get round to
trying some time as I do operate on both 12 and 6
meters and it would be nice to combine two bands.

--- electronicdx <electronicdx@...> wrote:
>
> OK I will try that, is 49.860 7 meters? Cause I
> could put out
> another longwire antenna that is 7 meters, the
> dipole could
> use a RF receiver amp. Help me out. How or where
> do I get
> this such of an antenna? :-).

_____
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68. 49MHz EXPERIMENTAL RADIO CLUB IS UP!

Yahoo group: 49megahertz
Date: 2002-04-14 21:07:57 UTC
From: Fbs1050@aol.com
Topic: 68 Message: 68

Hello all,

After a few months of logo & identifier confusion, web design, and hard work (otherwise known as calling CQ over and over again on .8600 to get QSOs with kids on walkie-talkies :), and frantic remembering over and over again to remove 46MHz from the frequency chart, the 49MHz Experimental Radio Club and its website have GONE PUBLIC!

That's right, the website is now up! Of course, joining is free and can be done through the website.

Also coming out soon: an antenna plan for 49MHz, and the very first issue of The 49MHz Beacon, the club's newsletter.

So please check out the site and join the club! There are no requirements and it's 100% free!

Another topic: Is anyone on the list going to the Dayton Hamfest next month? I'm thinking about going, and if anyone else is we could co-ordinate a frequency. Possibly 49.8600MHz?

73 de Michael / 49H3MA / Ham KB3HFP / :)

69. 49MHz

Yahoo group: 49megahertz
Date: 2002-04-14 21:12:03 UTC
From: Fbs1050@aol.com
Topic: 69 Message: 69

I just forgot the URL for the site... sorry. Didn't I do the same thing on eHam.net a few months ago? :)

http://www.qsl.net/49MHz/

Michael / KB3HFP

70. W4DEX

Yahoo group: 49megahertz
Date: 2002-04-14 21:13:10 UTC
From: Fbs1050@aol.com
Topic: 70 Message: 70

This is getting to be a pretty high-traffic list with all my posts... :) Just a quick question - does anyone know Dex W4DEX's email address? It seems like he switched.
Michael

71. Website is up

Yahoo group: 49megahertz
Date: 2002-04-16 17:21:43 UTC
From: Fbs1050@aol.com
Topic: 71 Message: 71

It looks like the 49MHz website problem was fixed, try this URL:

http://www.qsl.net/49mhz/index.html

73
Michael
49H3MA

72. Identifier problem

Yahoo group: 49megahertz
Date: 2002-04-18 02:01:13 UTC
From: Fbs1050@aol.com
Topic: 72 Message: 72

Hello everyone,

I just got a bunch of subscriptions to the club and I'm now filing them all (yeah, filing... really, I'm neatly organizing them!!!! :)

Anyway, I just noticed that all the rosters I sent out with the membership cards have the WRONG IDENTIFIER for the club. The 49MHz Experimental Radio Club callsign should be 49C3RC, not 49H3LR.

As you can see, I'm REALLY REALLY organized. :)

73 de Michael / 49H3MA

73. 49C6GT testing this evening

Yahoo group: 49megahertz
Date: 2002-04-20 01:22:59 UTC
From: Community Radio Station
Topic: 73 Message: 73

Be advised...

49C6GT (GreenTree Ground Station) will be testing
on a random basis this evening (Friday 04/19/2k2)
on a frequency of 49.8600 MHz (+-1kc) using the
Amplitude Modulation mode.

Signal will consist of live voice transmissions,
and I say random timing because it will be when-
ever I'm in the shack and think to stomp on the
footswitch and babble a few sentences :)

I may occasionally drop a brick on the FS and let a
carrier fly for a few minutes (yes, I'm fan cooled :)
so listen for that as well... Please ?

Eventually I'll have a computer back in the shack
(awaiting some added RAM Cards (Compaq Laptop w/a
docking station), and a second computer of same
model for use as parts machine (LCD screen on #1
is broken and I'm short monitors), then I'll begin
sending some digital MT beacons - maybe Feld, etc...
And done on a regular interval.

I would appreciate and reports of reception here,
or to the station (GreenTree) eMail address:

gtgs@...

Thank You,
Bruce
--
-=-=-=-=-=-=-=- ** NOTICE! ** -=-=-=-=-=-=-=-
SEND ALL REPLIES TO:
========> ASCR@... <========
Unless Instructed otherwise in the msg body
-=-

Corruptissima re publica plurimae leges

74. [49MHz] 49C6GT testing this evening (update)

Yahoo group: 49megahertz
Date: 2002-04-20 02:18:19 UTC
From: Community Radio Station
Topic: 74 Message: 74

Okay! Done with the eMail...
Headed into the shack to make a couple transmissions.

--
-=-=-=-=-=-=-=- ** NOTICE! ** -=-=-=-=-=-=-=-
SEND ALL REPLIES TO:
========> ASCR@... <========
Unless Instructed otherwise in the msg body
-=-

Corruptissima re publica plurimae leges

---------- Forwarded message ----------

49C6GT (GreenTree Ground Station) will be testing
on a random basis this evening (Friday 04/19/2k2)
on a frequency of 49.8600 MHz (+-1kc) using the
Amplitude Modulation mode.

75. Re: [49MHz] 49C6GT testing this evening (update)

Yahoo group: 49megahertz
Date: 2002-04-20 04:10:26 UTC
From: Fbs1050@aol.com
Topic: 74 Message: 75

Great! I'll be listening on '8600. BTW, has anyone received their membership cards and rosters yet?
73 de Michael 49H3MA

76. Re: 49MHz

Yahoo group: 49megahertz
Date: 2002-04-20 14:32:56 UTC
From: Fbs1050@aol.com
Topic: 69 Message: 76

I accidentally gave the list the wrong link, I made the capitalization wrong:
http://www.yahoogroups.com/group/49mhz
Michael

77. DEAD LINK AGAIN!!!!!

Yahoo group: 49megahertz
Date: 2002-04-21 00:15:31 UTC
From: Fbs1050@aol.com
Topic: 77 Message: 77

I swear, this is th LAST TIME I give anyone a bad link:

http://www.qsl.net/49mhz

That is the ONE AND ONLY correct link to get to the club website. Is everyone happy??? :-)

73,
Michael 49H3MA / C

78. RE: Re: [49MHz] 49C6GT testing this evening (update)

Yahoo group: 49megahertz
Date: 2002-04-22 12:36:24 UTC
From: meridian3891@cs.com
Topic: 74 Message: 78

I received mine on Saturday! Cool! Thanks!

I also picked up a 2 channel (49.86 & 49.89 MHz) baby monitor for $4.97 at Rat Shack that afternoon. I haven't had time to run the line in direct & make the mods yet.

Tony

Fbs1050@... wrote:

> Great! I'll be listening on '8600. BTW, has anyone received their membership
>cards and rosters yet?
>73 de Michael 49H3MA
>
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79. Database

Yahoo group: 49megahertz
Date: 2002-04-22 16:10:59 UTC
From: Fbs1050@aol.com
Topic: 79 Message: 79

Hi everybody,
It's great to see how active the club is getting... I had no clue that many people were interested in 49MHz! :) And, of course, being my "organized" self, I messed up my membership database so that it showed some membership certificates that weren't sent were, and vice versa. Who has recieved their certificates?
Michael
49H3MA

80. RE: [49MHz] Database

Yahoo group: 49megahertz
Date: 2002-04-22 17:33:26 UTC
From: meridian3891@cs.com
Topic: 80 Message: 80

Hey Michael!

I received my information on Saturday! I like it!

I am also going to try out the baby monitor modification & run direct audio into it. Maybe next weekend, I will string a dipole or try the 42-50 MHz coil antenna (I will check Part 15 for legalities). By the way, I get a kick out of "direct connection" clause when the FCC discusses connection of the antenna to the transmitter......I have never "indirectly" connected anything to a transmitter.

I also picked a 102" whip antenna ($4.95)....that is 10.77" short of being a half-wave vertical. Either I will add 10.75 inches to it, or see what happens if I run it as-is. The results can only be a vast improvement. I do not expect to have reception reports coming in from the other side of the state, however. Nonetheless, YUM!!!

Tony

P.S. Are you in the actual city of Pittsburgh, or are you in the suburbs? My Dad grew up in Monroeville/Turtle Creek, & we also had some relatives in Murrysville. I als attended a couple of parties in Squirrel Hill in 1996!

Fbs1050@... wrote:

> Hi everybody,
>It's great to see how active the club is getting... I had no clue that many
>people were interested in 49MHz! :) And, of course, being my quot;organizedquot;
>self, I messed up my membership database so that it showed some membership
>certificates that weren't sent were, and vice versa. Who has recieved their
>certificates?
>Michael
>49H3MA
>
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81. Re: [49MHz] Database

Yahoo group: 49megahertz
Date: 2002-04-23 12:31:57 UTC
From: jhguetherman
Topic: 80 Message: 81

--- In 49megahertz@y..., meridian3891@c... wrote:
> Hey Michael!
>
> I am also going to try out the baby monitor modification & run direct audio into it. Maybe next weekend, I will string a dipole or try the 42-50 MHz coil antenna (I will check Part 15 for legalities). By the way, I get a kick out of "direct connection" clause when the FCC discusses connection of the antenna to the transmitter......I have never "indirectly" connected anything to a transmitter.
>
> Tony

I believe they mean that the antenna itself must be connected directly to the antenna connector on the transmitter. Meaning, you can't use a transmission cable (coax, twinlead, etc.) between the transmitter and antenna.

There's also a restriction on the length of the transmitting antenna itself. You could legally utilize a longer antenna for recieve, but not for transmit.

So, any transmitter must follow the rules and regulations. Your best bet to improve range is to build up the best recieving system you can afford.

What you decide to actually do is your decision, of course. I'm not going to play radio cop here.

John H. Guetherman
KB7MIB/KAZ7FA/KBKF9922/SSB-83T/KAE7927 (expired)
Peoria, AZ.

82. RE: Re: [49MHz] Database

Yahoo group: 49megahertz
Date: 2002-04-23 14:52:37 UTC
From: meridian3891@cs.com
Topic: 80 Message: 82

Hi John!

I know the length of the antenna is mentioned in the specs pertaining to the 160-190 kHz & 530-1705 kHz allocations, but cannot remember what they state for 49 MHz. A dipole is unity gain (minus line loss) & would not have too high an ERP, that's for sure, but I would have to check the rest of what is allowed or not. I have the part 15 specs & will read through to clarify; I haven't the desire to tick off any 3-letter government agency! ;)

Tony

"jhguetherman" <kb7mib@...> wrote:

> --- In 49megahertz@y..., meridian3891@c... wrote:
>gt; Hey Michael!
>gt;
>gt; I am also going to try out the baby monitor modification amp; run
>direct audio into it. Maybe next weekend, I will string a dipole or
>try the 42-50 MHz coil antenna (I will check Part 15 for legalities).
>By the way, I get a kick out of quot;direct connectionquot; clause when the
>FCC discusses connection of the antenna to the transmitter......I
>have never quot;indirectlyquot; connected anything to a transmitter.
>gt;
>gt; Tony
>
>I believe they mean that the antenna itself must be connected
>directly to the antenna connector on the transmitter. Meaning, you
>can't use a transmission cable (coax, twinlead, etc.) between the
>transmitter and antenna.
>
>There's also a restriction on the length of the transmitting antenna
>itself. You could legally utilize a longer antenna for recieve, but
>not for transmit.
>
>So, any transmitter must follow the rules and regulations. Your best
>bet to improve range is to build up the best recieving system you can
>afford.
>
>What you decide to actually do is your decision, of course. I'm not
>going to play radio cop here.
>
>John H. Guetherman
>KB7MIB/KAZ7FA/KBKF9922/SSB-83T/KAE7927 (expired)
>Peoria, AZ.
>
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83. Dayton

Yahoo group: 49megahertz
Date: 2002-04-25 02:31:58 UTC
From: Fbs1050@aol.com
Topic: 83 Message: 83

Hey everyone,

Just wondering - is anyone going to Dayton this year? I'm probably going, and I was wondering if any other 49MHz operators planned to. If so, we could arrange a frequency and maybe even a mini-net - and then start sending waaay too many QSLs. :)

73, Michael 49H3MA/C
49MHz Experimental Radio Club
Amateur Radio Operator KB3HFP
http://www.qsl.net/49mhz

84. Possible list move?

Yahoo group: 49megahertz
Date: 2002-04-25 02:47:35 UTC
From: Fbs1050@aol.com
Topic: 84 Message: 84

Hi everyone,

<49H3MA steps on soapbox>

I promise, this is REALLY my last post to the list for the night. REALLY. :)
A few people I've talked to have shared my opinion that Yah00 Gr0ups
(censored for the list's protection) is a really bad mailing list host and
that QTH.net would provide a better (and ad-free!) list host.

I run the Ham_Humor list there and I've found that the administrative
interface is great - the only problem is that there's no poll, photo, and
files host. Of course, that could all be placed on the club website.

As for everyone rejoining (ugh), I could easily run a "mass add" and add
everyone to the list - that way everyone wouldn't have to rejoin.

A problem: a lot of people currently know the list URL as the 49er club's
URL. But for that, I could change the list to a "newsletter subscription"
list and JUST send out the "49MHz Beacon" issues through Yah00 - the main
page would just say that the list had moved and is now only for Beacon
issues. That way nobody would get lost, and I'd have a good way to send out
Beacon issues.

For those who were wondering, the system uses the GNU Mailman software.

<49H3MA tries to step off the soapbox, but then realizes that the soapbox has
got tired of all the constant club chatter and has walked away. Realizing he
is not standing on anything, he immediately falls.>

73, Michael 49H3MA/C
49MHz Experimental Radio Club
Amateur Radio Operator KB3HFP
http://www.qsl.net/49mhz

85. 49MHz Beacon and Membership Cards

Yahoo group: 49megahertz
Date: 2002-04-25 02:35:20 UTC
From: Fbs1050@aol.com
Topic: 85 Message: 85

Hi everyone (again),

I'm working on the 49MHz Beacon (i.e. club newsletter) and I have space for one article. Does anyone want to volunteer to write something - anything? Pleeease? And no, you don't get paid. :)

Also, Pete 49N9PC and Timothy 49H9TD, don't worry - your membership certificates didn't disappear into thin air - they're sitting in the inbox in my shack, just waiting to get "processed" i.e. stamped and sent.

73, Michael 49H3MA/C
49MHz Experimental Radio Club
Amateur Radio Operator KB3HFP
http://www.qsl.net/49mhz

86. RE: [49MHz] 49MHz Beacon and Membership Cards

Yahoo group: 49megahertz
Date: 2002-04-25 16:10:45 UTC
From: meridian3891@cs.com
Topic: 86 Message: 86

I just snail-mailed you some information about the Association for the Promotion of 49MHz's dissolution. Not a big article, but it's demise occurred in the Summer of 1992.

Tony

Fbs1050@... wrote:

> Hi everyone (again),
>
>I'm working on the 49MHz Beacon (i.e. club newsletter) and I have space for
>one article. Does anyone want to volunteer to write something - anything?
>Pleeease? And no, you don't get paid. :)
>
>Also, Pete 49N9PC and Timothy 49H9TD, don't worry - your membership
>certificates didn't disappear into thin air - they're sitting in the inbox in
>my shack, just waiting to get quot;processedquot; i.e. stamped and sent.
>
>73, Michael 49H3MA/C
>49MHz Experimental Radio Club
>Amateur Radio Operator KB3HFP
>http://www.qsl.net/49mhz
>
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>

87. Re: RE: [49MHz] 49MHz Beacon and Membership Cards

Yahoo group: 49megahertz
Date: 2002-04-25 17:20:59 UTC
From: Fbs1050@aol.com
Topic: 86 Message: 87

Okay, thanks! I'll scan it and put it up on the site once I get it.

73, Michael 49H3MA/C
49MHz Experimental Radio Club
Amateur Radio Operator KB3HFP
http://www.qsl.net/49mhz

88. Re: [49MHz] Dayton

Yahoo group: 49megahertz
Date: 2002-04-26 00:14:54 UTC
From: Mike Staines
Topic: 88 Message: 88

I'll be there from Thursday night through Monday. I'll be glad to meet
(almost) anytime.

73,
Mike
wa1ptc
Concord, NH
----- Original Message -----
From: <Fbs1050@...>
To: <49megahertz@yahoogroups.com>
Sent: Wednesday, April 24, 2002 10:31 PM
Subject: [49MHz] Dayton

> Hey everyone,
>
> Just wondering - is anyone going to Dayton this year? I'm probably going,
and
> I was wondering if any other 49MHz operators planned to. If so, we could
> arrange a frequency and maybe even a mini-net - and then start sending
waaay
> too many QSLs. :)
>
> 73, Michael 49H3MA/C
> 49MHz Experimental Radio Club
> Amateur Radio Operator KB3HFP
> http://www.qsl.net/49mhz
>
>
> To unsubscribe from this group, send an email to:
> 49megahertz-unsubscribe@yahoogroups.com
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>
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>
>

89. membership ID CARD

Yahoo group: 49megahertz
Date: 2002-04-29 16:52:13 UTC
From: nwessar
Topic: 89 Message: 89

This is 49H9TD, from Indianapolis,Indiana, Can you let me know as to when I will get my membership certificate, my membership was approved on 4/20/02, I asked for this to be mailed to me by snail mail and so far I have not seen it at all. Please route a return e-mail to my e-mail address at DeLong@... Best Personnal
Requards,Tim DeLong 49H9TD, W9NES

90. Prototype design...

Yahoo group: 49megahertz
Date: 2002-04-29 21:48:14 UTC
From: Community Radio Station
Topic: 90 Message: 90

I'm going to start designing a prototype of a remote(able)
transmitter that complies with the ERP and antenna regs,
but I need to find a good design for a 49mhz transmitter
PCB that will take up less than 6 sq inches of space.
I'd also like to keep the voltage and current requirements
down to about 3vdc (6 max) and into the micro-amp range if
possible on the draw. I'd like to keep the xmit Freq BW
to about 2.5kc if possible. (don't think 1kc would be
enough for voice ops): The board should be capable of
an RF out of at least 500mw to account for loss in the
L/C antenna load circuit, but anything up to 2w would
be OK as it could be attenuated down b4 the antenna.
Not sure if that's going to be possible with the draw
in the uA range - may need to go into mA's...

I plan on using perhaps some kind of C or D size NiCad
or NiMH cells (2-4 cells total) restored by a small PV
panel.

I'd also like to locate plans for a VHF rcvr board that
draws about the same that will operate in 150-155mc area.

Thanks for your ideas/info,
BAdj

PS: I have an old Space-Patrol HT on 49.860, but if I end
up having to use that, it's going to mean wasted stages
(eg receive stages) and probably some current.

I'd like this design to be able to run both the VHF-Lo
transmitter (@ abt a 35% duty cycle) and the VHF-Hi
recevier, for at LEAST a full day (or more) and be
able to fully recharge with only moderate (hazy)
solar activity during the next day.

--
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91. 49MHz News

Yahoo group: 49megahertz
Date: 2002-05-03 02:45:47 UTC
From: Fbs1050@aol.com
Topic: 91 Message: 91

Hi everybody,

Some news on 49MHz:

* I put up a new antenna at the club station (a piece of wire that resembles a dipole), and I've been getting even more static! I called CQ a few days ago and actually got a response which seemed to be (15wpm???) CW. I couldn't copy it (I'm not good @ cw), but it seemed to be intellegent, I called QRZ and it kept on sending. Was anyone operating CW around then?

* I'll probably be going to the Dayton Hamvention this year, is anyone else planning to go? If so, bring your 49MHz HTs (if you don't have any, travel to your nearest Toys 'R Us, I'm not talking about SSB! :) listen around on 49.8600 for other club members.

* The 6 meter solar season is coming up soon (http://www.qrz.com/cgi-bin/ikonboard.cgi?act=ST&f=3&t=10402), so listen around 50MHz and drop an email if you hear anything. Too bad I wasn't into 49MHz last October! :-(

* I still have two membership certificates to process - don't worry, they weren't lost!

73,
Michael
49H3MA

93. Re: [49MHz] Dayton

Yahoo group: 49megahertz
Date: 2002-05-11 00:52:07 UTC
From: Mike Staines
Topic: 88 Message: 93

I'll be there Thursday through Monday.

Won't have any 49 MHz transmit gear but I will listen.

Any chance of coordinating a get-together?

Mike
wa1ptc
Concord, NH
----- Original Message -----
From: <Fbs1050@...>
To: <49megahertz@yahoogroups.com>
Sent: Friday, May 10, 2002 12:59 PM
Subject: [49MHz] Dayton

> Hey everybody,
>
> The powers that be tell me I will be able to go to Dayton this year! So
I'll
> be listening on the club frequency (49.8600MHz) for any other 49er
stations
> going.
>
> If you are not currently a member of the club (or your membership hasn't
been
> processed), the identifier is 49 + H or N (Ham or Non-ham) + ARRL callsign
> district (in the U.S. or D for DX) + First, Last initials. So I'm 49H3MA -
> 49MHz Operator + Ham + ARRL Disttrict 3 + Michael Aquilina.
>
> I know Ben, 49H3BW (Amateur callsign KB3ERQ) will be going, but I'm not
sure
> if anyone else on the list is going.
>
> So... who is? :-)
>
> 73,
> Michael
> 49H3MA / C
> Amateur KB3HFP
>
>
> To unsubscribe from this group, send an email to:
> 49megahertz-unsubscribe@yahoogroups.com
>
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>

94. TRC-509 Walkie-Talkies

Yahoo group: 49megahertz
Date: 2002-05-13 15:32:28 UTC
From: meridian3891@cs.com
Topic: 94 Message: 94

To Mike Staines & Mike KB3HFP,

Just a tip for you guys; the Radio Shack single channel (49.83 MHz) walkie talkies are discontinued & down to $3.97 each. The Catalogue # is 21-409; I just bought a pair on Saturday, & will use them while installing a roof top T.V. antenna next weekend.

The 5-channel models (TRC-512) are $4.97 each & can still also be found. Their Catalogue # for the TRC-512 is 21-412.

Maybe you can grab one of these to make it easier to meet in Dayton!

Good luck & come back with some treasures!

Tony
KA3SVT
49H3TS

95. Re: TRC-509 Walkie-Talkies

Yahoo group: 49megahertz
Date: 2002-05-14 10:40:32 UTC
From: jhguetherman
Topic: 94 Message: 95

--- In 49megahertz@y..., meridian3891@c... wrote:
> To Mike Staines & Mike KB3HFP,
>
> The 5-channel models (TRC-512) are $4.97 each & can still also be found. Their Catalogue # for the TRC-512 is 21-412.
>
> Tony
> KA3SVT
> 49H3TS

I have a TRC-512. If they're that cheap, and one of the local stores still carries one, I think I'm going to get another. Or more.....

John H. Guetherman
KB7MIB Amateur Radio Technician (Plus)
KAZ7FA Registered Monitor Station
KBKF9922 CB Radio
SSB-83T 11m SSB Network
KAE7927 General Mobile Radio Service (expired)
49H7JG (if I have the format correct)
Peoria, AZ.

96. Best Receiver for 49mhz weak signal work?

Yahoo group: 49megahertz
Date: 2002-05-14 12:44:04 UTC
From: crow_aka_crowded
Topic: 96 Message: 96

Any suggestions on rx? TX is easy given the limitations but a walkie talkie rx isn't going to cut it.

Also has anyone though of using QRSS?

97. Re: TRC-509 Walkie-Talkies

Yahoo group: 49megahertz
Date: 2002-05-14 23:00:18 UTC
From: jhguetherman
Topic: 94 Message: 97

--- In 49megahertz@y..., "jhguetherman" <kb7mib@h...> wrote:
> I have a TRC-512. If they're that cheap, and one of the local stores still carries one, I think I'm going to get another. Or more.....

Got the very last one in all of Arizona. *grin* Wasn't exactly local, (30 minute drive over the freeway), but at least it was in the Phoenix metro area.

Thanks for the heads up.

>
> John H. Guetherman
> KB7MIB Amateur Radio Technician (Plus)
> KAZ7FA Registered Monitor Station
> KBKF9922 CB Radio
> SSB-83T 11m SSB Network
> KAE7927 General Mobile Radio Service (expired)
> 49H7JG (if I have the format correct)
> Peoria, AZ.

98. Re: [49MHz] Re: TRC-509 Walkie-Talkies

Yahoo group: 49megahertz
Date: 2002-05-16 19:10:20 UTC
From: Mike Staines
Topic: 98 Message: 98

Got the last 509's at my local store (the Demo units).

So, I'll be listening every now and then at Dayton.

73,
Mike
wa1ptc
----- Original Message -----
From: "jhguetherman" <kb7mib@...>
To: <49megahertz@yahoogroups.com>
Sent: Tuesday, May 14, 2002 7:00 PM
Subject: [49MHz] Re: TRC-509 Walkie-Talkies

> --- In 49megahertz@y..., "jhguetherman" <kb7mib@h...> wrote:
> > I have a TRC-512. If they're that cheap, and one of the local
> stores still carries one, I think I'm going to get another. Or
> more.....
>
> Got the very last one in all of Arizona. *grin* Wasn't exactly
> local, (30 minute drive over the freeway), but at least it was in the
> Phoenix metro area.
>
> Thanks for the heads up.
>
> >
> > John H. Guetherman
> > KB7MIB Amateur Radio Technician (Plus)
> > KAZ7FA Registered Monitor Station
> > KBKF9922 CB Radio
> > SSB-83T 11m SSB Network
> > KAE7927 General Mobile Radio Service (expired)
> > 49H7JG (if I have the format correct)
> > Peoria, AZ.
>
>
>
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>
>

99. Re: [49MHz] Re: TRC-509 Walkie-Talkies

Yahoo group: 49megahertz
Date: 2002-05-16 20:29:08 UTC
From: meridian3891@cs.com
Topic: 98 Message: 99

Be sure to check the frequency; my 2 units use 49.83 MHz (as opposed to the club standard of 49.86). They are good little units & you won't have the constant hiss that the "kiddie" units have; these have a built-in squelch.

If you can get a 512 (the 5 channel jobs), then you're in luck.

Tony
KA3SVT
49H3TS

"Mike Staines" <Mike_Staines@...> wrote:

> Got the last 509's at my local store (the Demo units).
>
>So, I'll be listening every now and then at Dayton.
>
>73,
>Mike
>wa1ptc
>----- Original Message -----
>From: quot;jhguethermanquot; lt;kb7mib@...;
>To: lt;49megahertz@yahoogroups.comgt;
>Sent: Tuesday, May 14, 2002 7:00 PM
>Subject: [49MHz] Re: TRC-509 Walkie-Talkies
>
>
>gt; --- In 49megahertz@y..., quot;jhguethermanquot; lt;kb7mib@h...gt; wrote:
>gt; gt; I have a TRC-512. If they're that cheap, and one of the local
>gt; stores still carries one, I think I'm going to get another. Or
>gt; more.....
>gt;
>gt;nbsp; Got the very last one in all of Arizona. *grin* Wasn't exactly
>gt; local, (30 minute drive over the freeway), but at least it was in the
>gt; Phoenix metro area.
>gt;
>gt;nbsp; Thanks for the heads up.
>gt;
>gt; gt;
>gt; gt;nbsp; John H. Guetherman
>gt; gt;nbsp; KB7MIB Amateur Radio Technician (Plus)
>gt; gt;nbsp; KAZ7FA Registered Monitor Station
>gt; gt;nbsp; KBKF9922 CB Radio
>gt; gt;nbsp; SSB-83T 11m SSB Network
>gt; gt;nbsp; KAE7927 General Mobile Radio Service (expired)
>gt; gt;nbsp; 49H7JG (if I have the format correct)
>gt; gt;nbsp; Peoria, AZ.

>gt;
>gt;
>gt;
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100. Good Luck at Dayton!!

Yahoo group: 49megahertz
Date: 2002-05-16 23:04:08 UTC
From: meridian3891@cs.com
Topic: 100 Message: 100

To whom this would apply,

Good luck at the Dayton Hamfest & come back with good stories & radio gear!

Tony
KA3SVT
49H3TS

101. official website?

Yahoo group: 49megahertz
Date: 2002-05-19 20:17:51 UTC
From: crow_aka_crowded
Topic: 101 Message: 101

can someone give me the link?

jon
KB4UHK

102. Re: [49MHz] official website?

Yahoo group: 49megahertz
Date: 2002-05-19 22:43:13 UTC
From: Fbs1050@aol.com
Topic: 102 Message: 102

http://www.qsl.net/49mhz is the main club website. At the time (Thursday 6:37EST), QST's servers seem to be down, try tomorrow.

http://www.yahoogroups.com/group/49megahertz is the site for the list.

73,
Michael
49H3MA/C

103. Re: [49MHz] official website?

Yahoo group: 49megahertz
Date: 2002-05-19 22:44:49 UTC
From: Fbs1050@aol.com
Topic: 102 Message: 103

Sorry, not QST, QSL. Too many old QSTs purchased at Dayton... :)
73,
Michael
49H3MA/C

104. Re: [49MHz] official website?

Yahoo group: 49megahertz
Date: 2002-05-20 02:35:00 UTC
From: meridian3891@cs.com
Topic: 102 Message: 104

Speaking of Dayton.....how was it? :)

105. Re: [49MHz] official website?

Yahoo group: 49megahertz
Date: 2002-05-20 02:45:27 UTC
From: Fbs1050@aol.com
Topic: 102 Message: 105

Dayton was great, even though there was no 49MHz activity at all! (At least one the frequency I was on) There were a couple of other operators there, but I couldn't make contact, mainly because I was on the wrong frequency (I was on club standard of 49.86 and everyone else was on .83!) but it was a lot of fun anyway.

I picked up a motorola fire radio (movable to 2m), a couple FRS radios, 2 radio shack MURS radios (to be programmed), and a few other things, including a bag of electronic stuff.

Hopefully next year a few more members will come and we can even have a controlled net (great, now I'm thinking for next year already!) :)

73,
Michael
KB3HFP / 49H3MA Pt. 15

106. Re: [49MHz] official website?

Yahoo group: 49megahertz
Date: 2002-05-20 02:45:59 UTC
From: Fbs1050@aol.com
Topic: 102 Message: 106

BTW, I'd love to hear everyone else's Dayton stories!
73,
Michael
KB3HFP / 49H3MA Pt. 15

107. Site is down

Yahoo group: 49megahertz
Date: 2002-05-21 02:34:45 UTC
From: Fbs1050@aol.com
Topic: 107 Message: 107

Just a note: The 49MHz Experimental Radio Club website will be down for maintainance until next week.

73,
Michael
49H3MA/C

108. Re: [49MHz] Good Luck at Dayton!!

Yahoo group: 49megahertz
Date: 2002-05-22 22:00:33 UTC
From: Mike Staines
Topic: 108 Message: 108

Sorry to say I never met up with anybody. Don't know if it was my radio or what...

Mike
wa1ptc
----- Original Message -----
From: meridian3891@...
Date: Thu, 16 May 2002 19:04:08 -0400
To: 49megahertz@yahoogroups.com
Subject: [49MHz] Good Luck at Dayton!!

> To whom this would apply,
>
> Good luck at the Dayton Hamfest & come back with good stories & radio gear!
>
>
> Tony
> KA3SVT
> 49H3TS
>
>
> To unsubscribe from this group, send an email to:
> 49megahertz-unsubscribe@yahoogroups.com
>
>
>
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>
>
>

Mike Staines
wa1ptc
www.schoolbus.homestead.com

--
_____
Sign-up for your own FREE Personalized E-mail at Email.com
http://www.email.com/?sr=signup

109. Re: [49MHz] Good Luck at Dayton!!

Yahoo group: 49megahertz
Date: 2002-05-22 22:05:23 UTC
From: Fbs1050@aol.com
Topic: 108 Message: 109

Do you mean on 49MHz? I was caling CQ on the wrong frequency, and I don't think anyone else was listening. :)
73,
Michael
49H3MA/C

110. CQ 49.

Yahoo group: 49megahertz
Date: 2002-05-30 20:22:19 UTC
From: onemeridian
Topic: 110 Message: 110

I was wondering if anybody had anything set up on 49 MHz. I may set up a SW receiver with a continuous feed of WWV, CHU Canada, or something that I can receive 24 hours daily. Any ideas or transmissions out there? Now would be a great time with the summer weather & ionospheric conditions. I was receiving Baltimore, MD & Washington D.C. on VHF TV again this morning!

Tony
KA3SVT
49H3TS

111. Re: [49MHz] CQ 49.

Yahoo group: 49megahertz
Date: 2002-05-30 20:32:20 UTC
From: Fbs1050@aol.com
Topic: 111 Message: 111

Once I buy the Radio Shack HT they have on sale (49.83 AM), I'm going to hook it up on AM to a continuous loop of something like "CQ 49MHz CQ 49MHz CQ 49MHz, this is 49C3RC/B (club's identifier /b for beacon) calling CQ 49MHz and standing by... this is a propogation beacon operated by the 49MHz Experimental Radio Club..." and go on to describe the club, the legalities of operating in 49MHz, and other various things. What do y'all think?

73,
Michael / 49H3MA

112. Re: [49MHz] CQ 49.

Yahoo group: 49megahertz
Date: 2002-05-31 04:50:10 UTC
From: Community Radio Station
Topic: 110 Message: 112

Hi Tony,

Not xmitting at this time. Found an old GE HT among
my other junque and plan to do something with that.
Thinking along the lines of dedicating an older 386
computer with APRS running on it and a TNC to broad-
cast general location and listen for responses.
That way I can basically 'automate' this process and
check the map-display for any 'found' stations...

APRS does this via data in a short digital 'beacon'.
Will probably run it at _300_baud_ - maybe 1200 max.

I believe emissions will be FM.

Not exactly sure how I'm going to work this, yet...
Going to try and get the HT up in the air as high as
I can with the max (allowed) antenna size, horizontal
polarized. I'm thinking a sealed shielded metal box
on top of a 30-40' mast with the HT PCBoard inside and
the audio/keying remoted in the shack via shielded wire.

Maybe I'll just have one of the 100'+ pine trees here
around the house topped, and mount it way up thar.. :)

Doubt if we'll hook up from DC to here (CA),
but one HAS to have dreams :)

49C6GT [CM88]

--
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On Thu, 30 May 2002, onemeridian wrote:

> I was wondering if anybody had anything set up on 49 MHz. I may set
> up a SW receiver with a continuous feed of WWV, CHU Canada, or
> something that I can receive 24 hours daily. Any ideas or
> transmissions out there? Now would be a great time with the summer
> weather & ionospheric conditions. I was receiving Baltimore, MD &
> Washington D.C. on VHF TV again this morning!

113. Re: [49MHz] CQ 49.

Yahoo group: 49megahertz
Date: 2002-05-31 14:38:31 UTC
From: onemeridian
Topic: 111 Message: 113

While you're there, see if they still have some of the 5 channel units. I think they're $1 extra (unless they came down again...).

Tony

--- In 49megahertz@y..., Fbs1050@a... wrote:
> Once I buy the Radio Shack HT they have on sale (49.83 AM), I'm going to hook
> it up on AM to a continuous loop of something like "CQ 49MHz CQ 49MHz CQ
> 49MHz, this is 49C3RC/B (club's identifier /b for beacon) calling CQ 49MHz
> and standing by... this is a propogation beacon operated by the 49MHz
> Experimental Radio Club..." and go on to describe the club, the legalities of
> operating in 49MHz, and other various things. What do y'all think?
>
> 73,
> Michael / 49H3MA

114. Re: [49MHz] DEAD LINK AGAIN!!!!!

Yahoo group: 49megahertz
Date: 2002-05-31 22:01:18 UTC
From: Community Radio Station
Topic: 77 Message: 114

Hi Michael,

Are you working on the site at the moment ?
Just tried to bring it up and got an FTP dir.
Looks like there is no "index.html" in the dir.
And the "contact.html" shows a blank page... :(

Btw, JOT - perhaps you might consider creating
some sub-dirs on the site and those of us that
can, could submit an HTML page that can be
arranged in a state-by-state (etc) manner,
under your main Club page ???

ttfn - B.A. (49C6GT)

--
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Corruptissima re publica plurimae leges

On Sat, 20 Apr 2002 Fbs1050@... wrote:

> I swear, this is th LAST TIME I give anyone a bad link:
>
> http://www.qsl.net/49mhz
>
> That is the ONE AND ONLY correct link to get to the club website. Is everyone
> happy??? :-)
>
> 73,
> Michael 49H3MA / C

115. Re: [49MHz] official website?

Yahoo group: 49megahertz
Date: 2002-05-31 22:05:39 UTC
From: Community Radio Station
Topic: 102 Message: 115

Ooops... Missed reading this one :8-) <blush>
Like I mentioned.. Looks like the "index.html"
has 'gone away'... Hmmmm... Strange!
Still down Friday 1500 hrs Pacific.

--
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On Sun, 19 May 2002 Fbs1050@... wrote:

> http://www.qsl.net/49mhz is the main club website. At the time (Thursday
> 6:37EST), QST's servers seem to be down, try tomorrow.

116. Re: [49MHz] DEAD LINK AGAIN!!!!!

Yahoo group: 49megahertz
Date: 2002-05-31 22:32:17 UTC
From: Fbs1050@aol.com
Topic: 77 Message: 116

QSL.net's servers went down recently :-(and I still need to put up the site, once I add some information given to me by a few members of the club. As for the individual sites, what exactly do you mean? Personal sites, kinda like the roster entries only with more station information? Direct FTP is out, I can't set permissions on anything, but email might work... :)
73,
Michael
49H3MA

117. Re: [49MHz] DEAD LINK AGAIN!!!!!

Yahoo group: 49megahertz
Date: 2002-05-31 22:38:46 UTC
From: meridian3891@cs.com
Topic: 77 Message: 117

I am able to access the index, but that has been that way for about 2 or 3 weeks now.

TONY

Fbs1050@... wrote:

> QSL.net's servers went down recently :-(and I still need to put up the site,
>once I add some information given to me by a few members of the club. As for
>the individual sites, what exactly do you mean? Personal sites, kinda like
>the roster entries only with more station information? Direct FTP is out, I
>can't set permissions on anything, but email might work... :)
>73,
>Michael
>49H3MA
>
>
> ? ?*Yahoo! Groups Sponsor*
>
> ? ?
> ? ?ADVERTISEMENT
>
>
>
>
> ? ?
>
>
> To unsubscribe from this group, send an email to:
>49megahertz-unsubscribe@yahoogroups.com
>
>
>
>Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.
>

118. SubPages

Yahoo group: 49megahertz
Date: 2002-06-01 08:35:32 UTC
From: Community Radio Station
Topic: 77 Message: 118

Hi Michael,

I see one member has said he could access the 'index' page,
but I didn't even see that file in the directory, perhaps
it was hidden by permission :) I just tried again, and
using 'lynx' (text based browser) I still only get an ftp
style file directory listing. No 'index.html' file, just;
49er.gif, contact.html, and "counter.htm," (not sure what
that trailing comma "," is doing on that last filename.

I don't see why eMail submission shouldn't work...
The only script that would require editing (on initial setup
or when a new member shows up) would be the 'link page' that
you point to from the 'index' (main) page, and then only be-
cause the relative links on that page would need to point to
the individual 'index' files in the individual sub-directories,
or an absolute reference to the page URL... The former in a
more direct route and probably uses less server resources as
it doesn't need to start another HTTP session for a new URL.

What I was thinking was, and lets use my disignator as example,
that you could create a subdir (mkdir <dirname>) from the main
public read root dir (wherever the "index.html" script resides)
and place basically the same directory architecture as you have
for the main page, but the next branch out.

Using my designator the URL would actually be:

http://www.qsl.net/49mhz/49C6GT

("mkdir 49C6GT" from the main page dir)

And being there is a script in the "49C6GT" dir with an "index.
html" file there (which would be eMailed to you via attachment),
the server would see that and the above URL would bring up that
members 'Enhanced' or 'Expanded' page.

As for the function... Having the ability to get direct info
from the member about their own station displayed and in their
own format might make it a bit more informational and relay
somewhat of that members own personality at the same time.
(and would be less editing for you in presenting the info)

Of course you would need to limit the size of the scripts and
any background or included images (which would also be placed
in that members sub dir) to a reasonable size, but a 100-300k
total accumulated filesize should allow for quite a 'personal-

ized' member page :)

The same thing could be accomplished simply by having the
member submit a page with the filename '<call>.html', but
then you have to worry about using the ".html" on the URL
when it's viewed. Fine if all you're doing is calling the
page from YOUR members-page, but doing the former way would
allow for a direct 'jump' to the page with a more simple URL.

"www.qsl.net/49mhz/49C6GT" -vs- "www.qsl.net/49mhz/49C6GT.html"

And you could even drop the "49" off the dir name, and have
access via an even shorter URL (www.qsl.net/49mhz/C6GT), but
that would not be a straight forward for the visitor that
knows the call of the station in it's entirety <sp?)...

JOT!

B.A.

PS: When adding a new member, all that you would need to do
is create the dir (mkdir), add the link to that into the
link-page script, and dump the members submission script
into that created dir... Beats typing in ALL that station
data, dealing with formatting that info.

--
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-=-

Corruptissima re publica plurimae leges

On Fri, 31 May 2002 Fbs1050@... wrote:

> QSL.net's servers went down recently :-(and I still need to put up the site,
> once I add some information given to me by a few members of the club. As for
> the individual sites, what exactly do you mean? Personal sites, kinda like
> the roster entries only with more station information? Direct FTP is out, I
> can't set permissions on anything, but email might work... :)
> 73,
> Michael
> 49H3MA

119. Re: [49MHz] SubPages

Yahoo group: 49megahertz
Date: 2002-06-01 16:45:25 UTC
From: Fbs1050@aol.com
Topic: 119 Message: 119

Just about the entire site is down due to the hard drive crash at QSL.net
until I upload it again (once I make some modifications to the site).
"counter.htm," is the help file that's automatically uploaded to all new
accounts on qsl.net, the comma is just a typo I made while renaming it.

Tnx for the subpages idea, I'm going to start doing that starting with the
next site update (sometime this week). Anyone who wants to send in a page is
welcome to email it to me, just please:
* Stay on topic (49MHz and radio in general)
* Nothing that wouldn't appeal to a family audience.
* No swearing
* Please keep the size of the page under 500k.
* And all those other rules you see everywhere else. :-)

73,
Michael
49H3MA/C

120. Re: [49MHz] CQ 49.

Yahoo group: 49megahertz
Date: 2002-06-04 13:18:30 UTC
From: jhguetherman
Topic: 111 Message: 120

--- In 49megahertz@y..., "onemeridian" <meridian3891@c...> wrote:
> While you're there, see if they still have some of the 5 channel
> units. I think they're $1 extra (unless they came down again...).
>
> Tony

Lots of luck. I got the very last TRC-512 that was available in Arizona. I have two of them now. Maxon (now Topaz) sells three 49 MHz headset radio models.

http://www.topaz3.com/personalrad.htm

By the way, how do I go about joining the Club, and getting 49H7JHG officially assigned to me? I suppose I could back-track through the messages.....

John H. Guetherman
KB7MIB/KAZ7FA/KBKF9922/SSB-83T/KAE7927 (expired)
Peoria, AZ.

121. Re: [49MHz] CQ 49.

Yahoo group: 49megahertz
Date: 2002-06-04 16:15:47 UTC
From: Fbs1050@aol.com
Topic: 111 Message: 121

Once the site's back up, you can join at http://www.qsl.net/49mhz - it should be up by the end of the week.
73,
Michael
49H3MA/C

122. The 49MHz ERC Site is back up!

Yahoo group: 49megahertz
Date: 2002-06-09 03:53:51 UTC
From: Fbs1050@aol.com
Topic: 122 Message: 122

Hi everyone,

As of 6/8/02, 2332EST, the 49MHz Experimental Radio Club website is back up! It now has a new frames-based layout (it's better than the last one, okay? :-) along with all-new Net Control Station, Members-Only, Member Pages, and Members-Only Reflector areas.

I'll go through the features one by one and by the end of the email you should all be asleep. :-)

1. Net Control Station Area - The area for Net Control Stations for the 49MHz Experimental Radio Net during heavy propagation. Right now the NCS roster is listed for once a month, but probably because of propagation on 49MHz (you all know what I mean :), an actual net with even one check-in will probably be very rare. If anyone wants to be a volunteer for Net Control, please contact me via email.

2. Members-Only Area - This is also coming soon, probably simultaneously with the next issue of The 49MHz Beacon, the club newsletter. It will have information on how to go about getting the free QSL card design, tiny web hosting, and other features members can get; as well as The 49MHz Beacon back issues and access to the club's new members-only reflector (more about that later). When it comes out (if you are a member of the club), you will get an email with your username and password in it.

3. Member Pages - We now offer a free 100k of web space to members of the club for them to showcase their equipment and 49MHz stories. (tnx to 49C6GT for this idea) When you join the club, we'll set up a regular page with your information at http://www.qsl.net/49mhz/youridentifer. For an example of one of these pages, see http://www.qsl.net/49mhz/49H3MA. If you'd like, you can develop your own page and email it to me, and I'll put it up at the same URL that you were assigned when you joined the club. Just no swearing, keep it clean, et cetera et cetera et cetera.

4. Members-Only Reflector - If you're a member, by now you've probably gotten an email from YahooGroups telling you that you've been subscribed to a 49MHZ ERC members' YahooGroup. This is the new Members-Only reflector that I set up for club business - only I can post to the members-only reflector, because I'd like to keep the general 49MHz conversation on this reflector for everyone to see. The Members-Only reflector will be used for newsletter distribution, announcements regarding members-only areas of the website, and other things that don't need to be posted to the general public. I may decide to change the focus of the new reflector, however, and eventually allow posts from members if there is ever a need for members-only communications (like pre-Dayton, I learned my lesson regarding frequencies this year! :-)

BTW for those of you who aren't club members yet, these new features are a great reason to join the club! Remember, joining is completely free and you get free QSL card design, access to the new members-only area, and much more! If you're joining but are concerned about privacy and wouldn't like your name or information to be on the club website, just say so and I won't include it or cut out the information you want removed (I've had a couple people ask me about that before).

Comments are welcome on the new site design and features!

73 de Michael | 49H3MA | Ham KB3HFP
President, 49MHz Experimental Radio Club

123. Re: [49MHz] The 49MHz ERC Site is back up!

Yahoo group: 49megahertz
Date: 2002-06-09 03:55:43 UTC
From: meridian3891@cs.com
Topic: 123 Message: 123

I tried. It is still blank. Not down, but a blank screen.

Tony

124. Re: [49MHz] The 49MHz ERC Site is back up!

Yahoo group: 49megahertz
Date: 2002-06-09 03:59:30 UTC
From: Fbs1050@aol.com
Topic: 123 Message: 124

I'm getting it fine at http://www.qsl.net/49mhz/index.html. It may take awhile for it to completely "settle down in its new surroundings" for lack of a technical term - too tired to think of one. :-) If it's not up tomorrow, I'll probably temporarily move it to another domain.
73,
Michael
49H3MA

125. Re: [49MHz] The 49MHz ERC Site is back up!

Yahoo group: 49megahertz
Date: 2002-06-09 04:00:33 UTC
From: meridian3891@cs.com
Topic: 123 Message: 125

I'm getting ERROR 404.....

126. Re: [49MHz] The 49MHz ERC Site is back up!

Yahoo group: 49megahertz
Date: 2002-06-09 04:28:02 UTC
From: meridian3891@cs.com
Topic: 123 Message: 126

No problem....good night.

Tony

127. Hello all!

Yahoo group: 49megahertz
Date: 2002-06-09 05:33:27 UTC
From: alexanderfam@aol.com
Topic: 127 Message: 127

Hi there 49ers!
I've been using 49 equipment for a while but never thought it would be this popular!
Ah, one thing- I live in England, and I'm not sure if there are any 49 MHZ operators here? I'm very keen on datamodes and plan to rebuild my 49 MHZ transceiver, a baby monitor transmitter and receiver tied together!
I may well have a morse beacon set up too, and perhaps APRS, and packet.
I have ripped an 8w amplifier from an old carphone and perhaps I could add it to my 100mw transceiver to give a bit more output...
Well, they say 50 MHz is good so why not 49?
One of my frequencies will be 49.890 for sure.
I'm also a licensed CB operator, 26K8LA
From Lawrence (Central England)

128. Re: [49MHz] Hello all!

Yahoo group: 49megahertz
Date: 2002-06-09 05:50:04 UTC
From: meridian3891@cs.com
Topic: 128 Message: 128

As I understand......if there ISN'T any law against it, then it ISN'T illegal. Go for it!

129. Re: [49MHz] The 49MHz ERC Site is back up!

Yahoo group: 49megahertz
Date: 2002-06-09 07:18:50 UTC
From: Community Radio Station
Topic: 123 Message: 129

Getting it Okay here as well.
Accessing it using 'lynx' under Linux, which is a
text only browser, so I have to follow the seperate
links to the two different frames, but once on them
the whole site opens up to me :) Nicely done, Mike!

Corruptissima re publica plurimae leges

> I'm getting it fine at http://www.qsl.net/49mhz/index.html

Actually I'm getting it w/o the "index.html" on the end :)

--
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130. Re: [49MHz] The 49MHz ERC Site is back up!

Yahoo group: 49megahertz
Date: 2002-06-10 14:08:15 UTC
From: onemeridian
Topic: 123 Message: 130

I am only getting a blank screen now. The Error 404 is gone, but
there isn't anything there (except the word "done" in the lower left
corner of my screen). What is the proper address?

--- In 49megahertz@y..., Community Radio Station <ASCR@S...> wrote:
> Getting it Okay here as well.
> Accessing it using 'lynx' under Linux, which is a
> text only browser, so I have to follow the seperate
> links to the two different frames, but once on them
> the whole site opens up to me :) Nicely done, Mike!
>
>
> Corruptissima re publica plurimae leges
>
> > I'm getting it fine at http://www.qsl.net/49mhz/index.html
>
> Actually I'm getting it w/o the "index.html" on the end :)
>
> --
> -=-=-=-=-=-=-=- ** NOTICE! ** -=-=-=-=-=-=-=-
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> ========> ASCR@S... <========
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> -=-

131. Re: [49MHz] The 49MHz ERC Site is back up!

Yahoo group: 49megahertz
Date: 2002-06-11 17:36:57 UTC
From: Community Radio Station
Topic: 123 Message: 131

I see what you mean...
Using Opera on the GUI Linux machine I got the blank
page last night... Didn't try using Netscape.
Try this and see if you get anything.

http://www.qsl.net/49mhz/index2.html

Got the main page there. Perhaps there is an automated
part of the 'Java' script that's supposed to switch to
NO-Frames upon a response from the visitor that's not
working as it should.

I think there is another one for 'frames' or w/o them at:

http://www.qsl.net/49mhz/frames.html

or something to that effect - didn't try that one...

I looked at the HTTP script and I didn't see any blatent
coding errors, but then I don't do much with Java either.
(for this very reason)

Sometimes it helps to know a 'little' HTML coding.
I 'viewed' the blank page SOURCE in my browser.
That's how I noticed those other URL's. :)

On Mon, 10 Jun 2002, onemeridian wrote:

> I am only getting a blank screen now. The Error 404 is gone, but
> there isn't anything there (except the word "done" in the lower left
> corner of my screen). What is the proper address?

--
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Corruptissima re publica plurimae leges

132. Re: [49MHz] The 49MHz ERC Site is back up!

Yahoo group: 49megahertz
Date: 2002-06-11 21:58:06 UTC
From: onemeridian
Topic: 123 Message: 132

I like http://www.qsl.net/49mhz/index2.html much better. This is
great!

Excellent job, Mike! I guess good things were coming to we who
waited! :)

Tony
KA3SVT
49H3TS

--- In 49megahertz@y..., Community Radio Station <ASCR@S...> wrote:
> I see what you mean...
> Using Opera on the GUI Linux machine I got the blank
> page last night... Didn't try using Netscape.
> Try this and see if you get anything.
>
> http://www.qsl.net/49mhz/index2.html
>
> Got the main page there. Perhaps there is an automated
> part of the 'Java' script that's supposed to switch to
> NO-Frames upon a response from the visitor that's not
> working as it should.
>
> I think there is another one for 'frames' or w/o them at:
>
> http://www.qsl.net/49mhz/frames.html
>
> or something to that effect - didn't try that one...
>
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> coding errors, but then I don't do much with Java either.
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> That's how I noticed those other URL's. :)
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>
> On Mon, 10 Jun 2002, onemeridian wrote:
>
> > I am only getting a blank screen now. The Error 404 is gone, but
> > there isn't anything there (except the word "done" in the lower
left
> > corner of my screen). What is the proper address?
>
> --

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> Unless Instructed otherwise in the msg body
> -=-
>
> Corruptissima re publica plurimae leges

133. Re: [49MHz] The 49MHz ERC Site is back up!

Yahoo group: 49megahertz
Date: 2002-06-12 03:37:22 UTC
From: Community Radio Station
Topic: 123 Message: 133

Hey Mike,

What is the first index page supposed to do ?
I don't normally have Java Scripting enabled here
for security reasons, and my browser is probably
throwing away those Java tags.

Do they test to see if I have 'frames' or 'Java'
or StyleSheets enabled, Or are they just Java pro-
prietary functions ?

And I agree... Nice format for the site! I like.
I need to sit down and do a station page. Would you
prefer that the BG remain the same, for that seamless
look, or should/could we use or own backgrounds ?

And if you want we should use the same BG, is it some
where we can point to for 'read' access, or is that a
system dir, in which case we'd need to ftp the image
file, store it in our sub-roots and refer to if with
a relative tag from our scripts ? If that's already
set up, I'll figure on using the same location as in
the source of your current pages ;)

Gosh! This may actually mean I need to rtfm for Gimp
and learn how to use it properly... :)

I have a nice "49C6GT" title image created, but if we
are using the same BG, I'll need to learn how to make
it transparant :)

Can you tell I'm 'stalling' ? I don't really have a
lot of time to go after this until after Field Day.
(have a couple other pages that need updating badly)
(i'll probably get the bug aftr FD and hit them ALL)

ttfn

--
-=-=-=-=-=-=-=- ** NOTICE! ** -=-=-=-=-=-=-=-
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-=-

Corruptissima re publica plurimae leges

On Tue, 11 Jun 2002, onemeridian wrote:

> I like http://www.qsl.net/49mhz/index2.html much better. This is
> great!
>
> Excellent job, Mike! I guess good things were coming to we who
> waited! :)

134. Re: [49MHz] The 49MHz ERC Site is back up!

Yahoo group: 49megahertz
Date: 2002-06-16 00:52:35 UTC
From: Fbs1050@aol.com
Topic: 123 Message: 134

Hi,

I just got back (I was out of town) and realized that people using Lynx and other similar browsers weren't able to use the 49MHz site because of the Frames layout. If you're using one of these browsers (you see a blank page), try this page:

http://www.qsl.net/49mhz/index2.html

Eventually, an update will be put up so that non-frames users can access the site
without using this URL.

I'd prefer that the bg on the station pages be the same as the one I have on the current site - URL is http://www.qsl.net/49mhz/yellow.gif. Right now I'm using a free hosting provider for hams and cannot change permissions. If you could just email me the sites until I can get some space set up somewhere, that would be great.

Tnx es 73 de Michael 49H3MA

135. Another "DX prone" weekend

Yahoo group: 49megahertz
Date: 2002-06-21 16:54:06 UTC
From: onemeridian
Topic: 135 Message: 135

We should keep our receivers on to catch any DX in the VHF Low band as this weekend will have conditions conducive to such. Any ideas or stories?

Tony
KA3SVT
49H3TS

136. Has anyone tried and built the 49 MHz receiver kit lately?

Yahoo group: 49megahertz
Date: 2002-06-26 02:17:43 UTC
From: electronicdx
Topic: 136 Message: 136

I wanted to see what the reviews or what you think about the 49 MHz receiver kit from Vectronics. I think it looks like a interesting summer radio fun project. What do think about the Vectronics 49 MHz monitor kit, should I buy it and build it? Or skip it. VEC-1016K
Heres a link about it. electronicdx

http://www.vectronics.com/vectronics/products.php?prodid=VEC-1016K

137. Re: [49MHz] Has anyone tried and built the 49 MHz receiver kit lately?

Yahoo group: 49megahertz
Date: 2002-06-26 06:07:21 UTC
From: alexanderfam@aol.com
Topic: 137 Message: 137

Well,
It looks good quality but fairly limited. To be honest, I've done the same with old baby monitors and changed the crystals to achieve 49 MHz coverage. However, if you want something more sensitive and professional then go for it.
Lawrence (Central UK)

138. Weekend DX

Yahoo group: 49megahertz
Date: 2002-06-28 19:16:42 UTC
From: onemeridian
Topic: 138 Message: 138

Another weekend with conditions cunducive to long distance communications on the VHF Low band.

Any ideas, setups, stations, etc. going on?

We'll keep an ear out!

Let us know!

Tony

139. Roadtrip Monitoring

Yahoo group: 49megahertz
Date: 2002-07-03 04:54:22 UTC
From: jhguetherman
Topic: 139 Message: 139

I'm planning a 20 day roadtrip from Phoenix to Montana and back at the end of the month. I'll try to do some monitoring with my pair of TRC-512's and my PRO-43 scanner as well. I'll let ya'll know if I heard anything when I get back.

John H. Guetherman
KB7MIB/KAZ7FA/KBKF9922/SSB-83T/KAE7927 (expired)
Peoria, AZ.

140. Re: Roadtrip Monitoring

Yahoo group: 49megahertz
Date: 2002-07-03 22:52:29 UTC
From: onemeridian
Topic: 139 Message: 140

Hook it up to a magnet mount (or other external mobile) antenna. You may be surprised to hear a phone conversation...yet there isn't any sign of civilization for miles & miles.....

Have a safe trip & keep us posted!

TONY

--- In 49megahertz@y..., "jhguetherman" <kb7mib@h...> wrote:
> I'm planning a 20 day roadtrip from Phoenix to Montana and back at
> the end of the month. I'll try to do some monitoring with my pair
of
> TRC-512's and my PRO-43 scanner as well. I'll let ya'll know if I
> heard anything when I get back.
>
> John H. Guetherman
> KB7MIB/KAZ7FA/KBKF9922/SSB-83T/KAE7927 (expired)
> Peoria, AZ.

141. Re: Roadtrip Monitoring

Yahoo group: 49megahertz
Date: 2002-07-10 06:55:34 UTC
From: jhguetherman
Topic: 139 Message: 141

--- In 49megahertz@y..., "onemeridian" <meridian3891@c...> wrote:
> Hook it up to a magnet mount (or other external mobile) antenna.
You may be surprised to hear a phone conversation...yet there isn't
any sign of civilization for miles & miles.......
>
> Have a safe trip & keep us posted!
>
>
> TONY

I was planning on using my dual-band Amateur antenna with my PRO-43
to monitor public safety, MURS and GMRS. But that has nil low-band
reception. I'm already planning on buying a mag-mount for my handheld
CB. Really don't want to add to the cost by buying a scanner antenna
as well. (Currently on leave from work due to a fractured finger back
on the 30th, so will be limited on funds more than expected.) Will
probably monitor two channels at a time with my pair of 512's, and
just turn through the other channels on occasion. Have to remember to
buy extra batteries, though.

John H. Guetherman
Peoria, AZ.

142. Unprocessed memberships?

Yahoo group: 49megahertz
Date: 2002-07-19 21:32:34 UTC
From: Fbs1050@aol.com
Topic: 142 Message: 142

I was just looking through my "unsorted files" on my computer when I noticed two supposedly "processed memberships" that actually turned out to be memberships that still needed to be filed and membership cards sent to the people requesting membership. I just figured I'd ask now - does anyone on the list have a membership currently pending? Everyone's *should* be processed, but if those two files existed, many more might still be pending!

73,
Michael
KB3HFP/AG
Pt. 15 ops as 49H3MA

143. ECPA changes

Yahoo group: 49megahertz
Date: 2002-07-20 09:22:40 UTC
From: jhguetherman
Topic: 143 Message: 143

Strong Signals has a link posted on their website regarding changes to amend the ECPA to make certain interceptions a felony under the Cyber Security enhancement act.

Story at http://www.strongsignals.net/access/news/news.cgi?type=single§ion=law&entry=660

Or got to:

http://www.strongsignals.net/access/news/news.cgi?type=chrono

and it's the last news item. Here's an excerpt:

New House Bill Changes ECPA
Posted on 07/16/2002 14:46 EDT

The US House of Representatives has just passed the Cyber Security Enhancement Act of 2002 (H.R.3482) which was designed to "provide greater cybersecurity."

Due to someone's hidden agenda, Sections 104 (Internet Advertising of Illegal Devices) and 108 (Protecting Privacy) amend the wording of the ECPA. The effect is to remove the misdemeanor penalty (less than one year jail time or $500 max penalty) and make it a felony (five years jail time maximum) for the intentional interception or dissemination of illegal signals (as defined in Section 2511 of the ECPA).

There's a link to H.R. 3482 in the story.

So, it may soon be a felony to monitor cordless and cellular phones. I do believe that Remote Pickup frequencies used by tv and radio stations and the like are also protected under the ECPA.

If convicted of a felony, you also loose several other rights: voting, carrying a firearm, holding an Amateur, GMRS, or other radio license, etc.

How does this affect us? Our 49 MHz radios can receive baby monitors, and the handset portion of some cordless phones. Maybe I'm just a pessimist, but I could see some over-zealous federal prosecutor trying to convict someone using those radios, or having those 5 channels programmed into a scanner.

Granted, about the only way to get caught, is to disclose what was overheard in some manner. But I still feel it's something that should be watched.

John H. Guetherman
KB7MIB/KAZ7FA/KBKF9922/SSB-83T/KAE7927 (expired)
Peoria, AZ.

144. 49 MHz Skip from the world

Yahoo group: 49megahertz
Date: 2002-07-22 03:36:06 UTC
From: electronicdx
Topic: 144 Message: 144

How can I hear, or when is it the best time to catch 49 MHz skip from all over the world, or is there a such thing.

electronicdx

145. Re: [49MHz] 49 MHz Skip from the world

Yahoo group: 49megahertz
Date: 2002-07-22 06:48:14 UTC
From: Community Radio Station
Topic: 144 Message: 145

You might want to check out the theory of MUF
(Maximum Usable Frequency). There are any number
of programs (applications) out here that will aide
you in that quest - written for various OS's.

MUF comes on quite a regular basis on the HF freqs,
and as far as I know we're still trying to get a
grip on the cycle (if there IS one) for the low end
of VHF... It helps to take 'grey line' into consid-
eration and watch the solar flare cycle, and with all
the activitythere as of late... ? Who Knows !?

50 mc has always been rather ellusive as far as getting
it pinned down... That's one reason it's called the

"Magic Band"...

Best way (short of doing the calculations and running
the models) is to tune to a TV Station signal on ch2
or the place where ch1 is (I think it's still used
across the pond in the UK) and when you begin to hear
activity there, you know 'the skip is in!' :)

There are also several beacon stations in the 50mc
area that you can listen for and if they are heard
you can get an idea on which way the conditions are
going by which beacons you hear...

Hope this helps.
If you knew about this already, please forgive the repeat.

BAdj

--
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On Mon, 22 Jul 2002, electronicdx wrote:

> How can I hear, or when is it the best time to catch 49 MHz skip
> from all over the world, or is there a such thing.

146. Re: [49MHz] 49 MHz Skip from the world

Yahoo group: 49megahertz
Date: 2002-07-23 14:39:40 UTC
From: onemeridian
Topic: 144 Message: 146

I look at the TV set & if I am receiving stations on 2-6 which are not local, then I know the skip is going to be good on 49MHz & 6 meters. Otherwise, tune in 50-54 MHz & hear the volume of activity.....That's an even more reliable method. Then you will know that 49 MHz will be coming ing as well.

Give it a shot.

--- In 49megahertz@y..., Community Radio Station <ASCR@S...> wrote:
> You might want to check out the theory of MUF
> (Maximum Usable Frequency). There are any number
> of programs (applications) out here that will aide
> you in that quest - written for various OS's.
>
> MUF comes on quite a regular basis on the HF freqs,
> and as far as I know we're still trying to get a
> grip on the cycle (if there IS one) for the low end
> of VHF... It helps to take 'grey line' into consid-
> eration and watch the solar flare cycle, and with all
> the activitythere as of late... ? Who Knows !?
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> 50 mc has always been rather ellusive as far as getting
> it pinned down... That's one reason it's called the
>
> "Magic Band"...
>
> Best way (short of doing the calculations and running
> the models) is to tune to a TV Station signal on ch2
> or the place where ch1 is (I think it's still used
> across the pond in the UK) and when you begin to hear
> activity there, you know 'the skip is in!' :)
>
> There are also several beacon stations in the 50mc
> area that you can listen for and if they are heard
> you can get an idea on which way the conditions are
> going by which beacons you hear...
>
> Hope this helps.
> If you knew about this already, please forgive the repeat.
>
> BAdj
>
> --
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> On Mon, 22 Jul 2002, electronicdx wrote:
>
> > How can I hear, or when is it the best time to catch 49 MHz skip
> > from all over the world, or is there a such thing.

147. Re: Roadtrip Monitoring

Yahoo group: 49megahertz
Date: 2002-09-09 09:46:31 UTC
From: jhguetherman
Topic: 139 Message: 147

Only monitored a little bit at my relatives' homes. Didn't do any on-the-road monitoring. Heard absolutely nothing. Not even any baby monitors in use, or cordless phones being used at the time I monitored.

Oh, well. MURS was also dead, except for a grocery store in Great Falls, Montana on 154.570. GMRS was dead, and only a little bit of FRS use.

Otherwise, my trip was enjoyable. Wish I could have extended it. I'm ready for another vacation.

Anybody else have anything to report?

John H. Guetherman
Peoria, AZ.

148. RE: [49MHz] Re: Roadtrip Monitoring

Yahoo group: 49megahertz
Date: 2002-09-11 03:42:22 UTC
From: Mike Staines
Topic: 139 Message: 148

I guess FRS is not too off-topic...

I have been moving from Central New Hampshire to Central New York. Lots of 5 hour trips with and without u-haul trucks, multiple cars, etc.

So I went to the Shack and bought these cute little mag-mounted FRS radios they sell. The radio is in the mag-mount unit on the car and the mic, speaker, etc are in the car. The units work well. I have been pleased with the distance and the CTCS options.

I have been VERY surprised at the activity. It is a lot like CB was back in the early 70's just before it took off. Seemed that there was activity on any random channel we picked as we drove along the interstates. Good thing the CTCS squelch worked well.

Mike

-----Original Message-----
From: jhguetherman [mailto:jhguetherman@...]
Sent: Monday, September 09, 2002 5:47 AM
To: 49megahertz@yahoogroups.com
Subject: [49MHz] Re: Roadtrip Monitoring

Only monitored a little bit at my relatives' homes. Didn't do any on-the-road monitoring. Heard absolutely nothing. Not even any baby monitors in use, or cordless phones being used at the time I monitored.

Oh, well. MURS was also dead, except for a grocery store in Great Falls, Montana on 154.570. GMRS was dead, and only a little bit of FRS use.

Otherwise, my trip was enjoyable. Wish I could have extended it. I'm ready for another vacation.

Anybody else have anything to report?

John H. Guetherman
Peoria, AZ.

To unsubscribe from this group, send an email to:
49megahertz-unsubscribe@yahoogroups.com

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149. Hello

Yahoo group: 49megahertz
Date: 2002-09-12 21:48:06 UTC
From: ph62uk
Topic: 149 Message: 149

Hello all
Name here is Pete, from Glasgow in Scotland. Messed around with
49mhz handsets many years ago. 49mhz sets were mainly kids toys
here, except for fools like me who had to see what made them tick.
Great to find this group.
Pete
Glasgow

150. Discone Antenna

Yahoo group: 49megahertz
Date: 2002-09-24 14:51:51 UTC
From: Tony
Topic: 150 Message: 150

I recently put a Radio Shack discone antenna in my attic with RG-6 coax line. The reception on 49 MHz is so-so, because I do not have the vertical element on top (It wasn't equipped with one & there isn't enough space for it). When I listened to 49 MHz with the 102" CB whip antenna, I got more than I could hear: multiple signals!

Reception on the TV Yagi antenna was not hing to complain about either.

Tony

151. Finally, some news!

Yahoo group: 49megahertz
Date: 2002-10-07 04:52:03 UTC
From: Fbs1050@aol.com
Topic: 151 Message: 151

Hey everybody!

I finally have some club news for the list! (No, I'm not dead! :-) I haven't had access to the computer with the membership database in it for awhile, so I haven't been able to process the latest club memberships. If you sent in a membership application sometime in 08/01/02 - 10/07/02, it probably didn't go through. Sorry! If you re-submit it or just forward me the email you sent, I'll process it ASAP.

Also, some propagation information. Not really 49MHz, but oh well. I was in Gettysburg, PA this morning (travelling), and I managed to hear the 147.090 ham repeater here in Pittsburgh, PA on my HT at about an SWR of 46. I haven't done much listening recently (Haven't been doing much 49MHz work) but from what I've heard VHF propagation is doing great! Everyone take a listen for the W4DEX 49MHz beacon! I don't have the frequency written down, but I believe he hangs out on the LOWFER mailing list if you need it.

The 49MHz Beacon newsletter is almost finished, and should be out "one of these days." Mainly I'm waiting to roll it out with the new members-only webpage. Speaking of the webpage, the small frames problem should be fixed now. It was actually a ID10T error on my part, I forgot to strip the HTML code from the frameset. :-)

Tnx es 73,
Michael 49H3MA

152. Re: Finally, some news!

Yahoo group: 49megahertz
Date: 2002-11-12 11:11:58 UTC
From: Pete Crapia
Topic: 151 Message: 152

Been looking to get my 49MHz gear back up and running again and will probably do so within a couple of weeks.

I have to ask... what is with the reference to SWR (standing wave ratio) on the receive end?? Otherwise, good job on the receive of that repeater!!

Pete

--- In 49megahertz@y..., Fbs1050@a... wrote:
I was in
> Gettysburg, PA this morning (travelling), and I managed to hear the 147.090
> ham repeater here in Pittsburgh, PA on my HT at about an SWR of 46.

153. Re: [49MHz] Re: Finally, some news!

Yahoo group: 49megahertz
Date: 2002-11-12 16:41:54 UTC
From: Fbs1050@aol.com
Topic: 153 Message: 153

The reference is of my being a ham geek and accidentally converting any signal report to SWR. :-)

73,
Michael
49H3MA

154. Re: [49MHz] Re: Finally, some news! (SWR vs RST)

Yahoo group: 49megahertz
Date: 2002-11-12 18:56:05 UTC
From: Community Radio Station
Topic: 151 Message: 154

Hi Pete,

I think what Mike means to refer to is "RST"
(Readability / Strength / Tone), although in
this case (since we're not dealing with CW)
it would be "RS".

The "R" scale goes from 1 to 5 to signify the
quality (readability of the signal) from UNreadable
to 'Perfectly Readable (with no difficulty)', and
the "S" scale goes from 0 (zero) (actually 1) to 9
to relate the relative strength of the signal at
the receiving station.

The "T" scale again goes from 1 to 5 and signifies the
quality of the single tone Morse Code, from raspy with
key clicks and AC ripple - basically a VERY dirty tone,
to a 5 which signifies a PURE DC tone (or as close as
anyone can get to that ideal)...

But then you knew all this already... :)
Thanks for the bandwidth...

49C6GT

On Tue, 12 Nov 2002, Pete Crapia wrote:

> I have to ask... what is with the reference to SWR (standing wave
> ratio) on the receive end?? Otherwise, good job on the receive of
> that repeater!!
>
> --- In 49megahertz@y..., Fbs1050@a... wrote:
> I was in
> > Gettysburg, PA this morning (travelling), and I managed to hear the
> 147.090
> > ham repeater here in Pittsburgh, PA on my HT at about an SWR of 46.

--
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155. [49MHz] Re: Finally, some news! (SWR vs RST)

Yahoo group: 49megahertz
Date: 2002-11-21 12:44:43 UTC
From: Pete Crapia
Topic: 151 Message: 155

That's what I thought he was trying to say, I just had to ask :)

Pete

--- In 49megahertz@y..., Community Radio Station <ASCR@S...> wrote:
> Hi Pete,
>
> I think what Mike means to refer to is "RST"
> (Readability / Strength / Tone)

156. TRC-512 Modification

Yahoo group: 49megahertz
Date: 2002-11-21 12:59:25 UTC
From: Pete Crapia
Topic: 156 Message: 156

In Radio Shack's TRC-512 5 channel radio there is an IC labeled LC7150 made by Sanyo. From the only info I found it is a 10 channel IC for cordless phone use. I searched the net and even contacted Sanyo about this chip looking for a datasheet but has resulted in a no-go. Sanyo just says that its a discontinued chip which has no more support hence there is no longer a datasheet available to be given out... If anyone has a datasheet for this chip PLEASE post it on the discussion board or directly to me. It should be very easy to modify these 5 channel units into 10 channels giving us a better chance of communicating through CW beacons.

If I can get the datasheet I can modify the radio and I will happily post pictorial instructions on how to do it yourself!

Pete

157. New poll for 49megahertz

Yahoo group: 49megahertz
Date: 2002-11-23 05:06:30 UTC
From: 49megahertz@yahoogroups.com
Topic: 1 Message: 157

Enter your vote today! A new poll has been created for the
49megahertz group:

Are you a member of the 49MHz Experimental Radio Club?
(http://www.qsl.net/49mhz)

o Yes
o No
o I might join
o What's that?

To vote, please visit the following web page:

http://groups.yahoo.com/group/49megahertz/surveys?id=10977082

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

158. New poll for 49megahertz

Yahoo group: 49megahertz
Date: 2002-11-23 05:06:57 UTC
From: 49megahertz@yahoogroups.com
Topic: 1 Message: 158

Enter your vote today! A new poll has been created for the
49megahertz group:

Do you read these boring polls? :-)

o Yes
o No
o What's a poll
o Oh, this is a poll!
o Sometimes

To vote, please visit the following web page:

http://groups.yahoo.com/group/49megahertz/surveys?id=10977083

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

159. I am looking for some suggestions for some great radios

Yahoo group: 49megahertz
Date: 2002-12-02 18:23:32 UTC
From: Adam Ebel
Topic: 159 Message: 159

Hello,

I am looking around for some 5 channel walkie talkies, that cover the 5 channels of 49.830, 49.845, 49.860, 49.875, 49.890, also I want to still improve my 49 MHz reception. Also is there any directional antennas for the 49 MHz region, for reception for for communications receivers.

Also I got to tell you that the Pro 95 is great portable radio for those walkie talkies, it has AM and NFM, and it has text ID for Labeling 49 MHz Channel A, B,C,D, E Everyone have a great holiday season. electronicdx.

160. Re: I am looking for some suggestions for some great radios

Yahoo group: 49megahertz
Date: 2002-12-07 23:03:53 UTC
From: John H. Guetherman <jhguetherman@yahoo.c
Topic: 159 Message: 160

--- In 49megahertz@yahoogroups.com, "Adam Ebel" <electronicdx@y...>
wrote:
>
> Hello,
>
> I am looking around for some 5 channel walkie talkies, that cover
> the 5 channels of 49.830, 49.845, 49.860, 49.875, 49.890, also
> I want to still improve my 49 MHz reception. Also is there any
> directional antennas for the 49 MHz region, for reception for
> for communications receivers.
>
> Also I got to tell you that the Pro 95 is great portable radio
> for those walkie talkies, it has AM and NFM, and it has text ID
> for Labeling 49 MHz Channel A,B,C,D,E. Everyone have a great
> holiday season. electronicdx.

Check the Topaz3/Maxon website,

http://www.topaz3.com/all_byFreq.asp?strFreq=49Mhz

I believe they're about the only company who still has 49 MHz radios anymore. Radio Shack had a clearance on their 5-channel TRC-512 handhelds earlier this year. I had bought one a couple of years ago, and I just got the last one in all of Arizona during the clearance. Midland also used to carry some, but they don't have any listed on their company website anymore.

Someone had a 49 MHz wire antenna which you could setup as a standard dipole, or as a sloper. It was advertised as a cordless phone monitoring antenna, which of course is illegal to do*, so that may be why I can't find the ad anymore. I checked several issues of MT and PopComm. MAXSystem?

*however, check out

http://www.crbbooks.com/archives/eavesdropping_on_cordless_phones.htm

Hmmm, here's an antenna. 49-51 MHz 3 element yagi.

http://www.astronantennas.com/astrondocs/vhf_low_50-3.html

Just for reference: http://www.atlasce.com/FCC_part15.htm "The following Part 15 regulations contain all updates and changes made by the Commission as of May 30, 2002. In addition, this version contains some directional notes, not themselves contained in the regulations. These directional notes are enclosed by brackets ([])."

49 MHz kit:

http://www.mfjenterprises.com/vectronics/products.php?prodid=VEC-1016K

John H. Guetherman
KB7MIB/KAZ7FA/KBKF9922/SSB-83T/KAE7927 (expired)
Peoria, AZ.

161. New Group Member

Yahoo group: 49megahertz
Date: 2003-01-03 11:54:07 UTC
From: Bill <N6ZEU@aol.com>
Topic: 161 Message: 161

Hello group, I was in Radio shack the other day and stumbled accross two Trc-509 1ch. tranceivers. at .97 cents a piece I said give me all you got. Unfortunately (or maybe fortunately) there were only two left. Now I have to figure out what to do with them. I live on the third story of a condo surrounded by many other condo and apartment complexes. There is a lot of RF floating around on 49mhz. At almost any given time I can hear a baby monitor or a handset of the old style cordless phones. I have a ham radio which recieves 48-52 mnz. I am in the process of modifying it to transmit on the 49 mhz band. I haven,t looked at part 97 for the baby band for a while but my HT will run 300 mw on low power. that should be close to legal. I was wondering has anyone figured out how to re-crystal these radios for 6 meters. I also would love to put an adjustable potentiometer on the hysterises squelch in the unit. If not an adjustable squelch a "open squelch" or "monitor" mod. would be really handy for DX or weak signal work. Anyone expierimenting around with any antennas?. That's it for today I hope now that we are done with our holiday festivities we can shake up some action in this group.

Good DX, Bill N6ZEU

162. Re: [49MHz] New Group Member

Yahoo group: 49megahertz
Date: 2003-01-03 15:32:12 UTC
From: David Colburn
Topic: 161 Message: 162

On the Part 97 front, odds are your Ham HT has not been approved for 49MHz. Since you posted to a public list you have now given the FCC permission to enter your home to seize the gear you have publically declared is your intent to use in violation of Federal law. (Look out, black hawk helicopters on the horizon!) giggle!

That said, unless they receive consumer complaints they are unlikely to act. (They have bigger fish to fry.)

On the other hand I imagine that the cheap RS devices will be too drifty for the Ham HT.

doc

On Fri, 2003-01-03 at 06:54, Bill wrote:
> Hello group, I was in Radio shack the other day and stumbled accross
> two Trc-509 1ch. tranceivers. at .97 cents a piece I said give me all
> you got. Unfortunately (or maybe fortunately) there were only two
> left. Now I have to figure out what to do with them. I live on the
> third story of a condo surrounded by many other condo and apartment
> complexes. There is a lot of RF floating around on 49mhz. At almost
> any given time I can hear a baby monitor or a handset of the old
> style cordless phones. I have a ham radio which recieves 48-52 mnz. I
> am in the process of modifying it to transmit on the 49 mhz band.
> I haven,t looked at part 97 for the baby band for a while but my
> HT will run 300 mw on low power. that should be close to legal. I was
> wondering has anyone figured out how to re-crystal these radios for 6
> meters. I also would love to put an adjustable potentiometer on the
> hysterises squelch in the unit. If not an adjustable squelch a "open
> squelch" or "monitor" mod. would be really handy for DX or weak
> signal work. Anyone expierimenting around with any antennas?.
> That's it for today I hope now that we are done with our holiday
> festivities we can shake up some action in this group.
>
> Good DX, Bill N6ZEU
>
>
>
>
> To unsubscribe from this group, send an email to:
> 49megahertz-unsubscribe@yahoogroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>

>

163. Re: [49MHz] New Group Member

Yahoo group: 49megahertz
Date: 2003-01-03 17:28:13 UTC
From: Fbs1050@aol.com
Topic: 161 Message: 163

Hello,

Welcome to the group! Glad to see that at least someone isn't a spammer! :-) Good find at Radio Shack, you might also want to see if they have their other TRC model with five channels. (Catalog number?) Please note that using the ham radio on 6.1m (49MHz) would be illegal under the FCC's type acception rules, but IMHO if you ran it at legal power with a legal antenna, you'd do fine. Hmmm... interesting ideas on the modifications. One of these days I need to pick up one of the TRC models just to see inside it and what wodnerful things could be done to them (recrystaling, s-meters, and all sorts of other things I'd never have time to install. :-) Right now, my main 49 radio is a cheap kids' WT with 300mw out, and modding it would be crazy, as the inside seems to have been sprayed with a hot glue gun. (I have no clue how they make these things. :-) As for antennas, it is tough to build something that meets the FCC rules, but it is possible. Dex W4DEX put together a beacon that can be seen on his website:

http://www.gostanly.com/w4dex/49er.htm

Welcome again to the group!

73..de Michael..49H3MA

164. Re: [49MHz] New Group Member

Yahoo group: 49megahertz
Date: 2003-01-04 16:25:26 UTC
From: N6ZEU@aol.com
Topic: 161 Message: 164

I have let the cat out of the proverbial bag. I am peeking out of my curtains every fifteen minutes now looking for the doppler radio direction finding van. :-)

I think I am in pretty good shape running just 300mw, though not approved I think the deviation and spurious emissions should be well within specs. this close to 6m.

I have a guy down the street running about 2kw on a six element cubical quad, I think he is a great diversionary tactic for my clandestine operations.

Regarding the stability of these 509's being crystal controlled I dont think they should have much of a drifting problem. the units should at least stay within the 5 kc deviation range of my ham HT.... thanks for the warm welcome "group"..... more later

Bill

165. Re: TRC-512 Modification

Yahoo group: 49megahertz
Date: 2003-01-06 02:53:08 UTC
From: JT <jerome@arbornet.org>
Topic: 156 Message: 165

Or maybe even 20 channels!

Are you sure that's a TRC-512 and not a TRC-503 (the original, more boxy-looking 5-channel version)? I took a TRC-512 apart a few years ago in preparation for converting it to a 10-channel unit. It has an MC145166 in it. But I also have a service manual for the TRC-503 which calls out the LC7150. It looks like pins 6,7,8,9, and possibly 2 are what you're interested in.

Pin Description
6 D1
7 D2
8 D3
9 D4
2 R/B

Pins 6-9 appeared to be pulled low internally to the part, so to set them to a '0' logic level you can leave them unconnected, and to set them to a '1' logic level connect them to pin 17 (Vdd), maybe through a resistor.

The one that I disassembled with the MC145166 just used a simple diode matrix to connect the appropriate line(s) to select the channel. You should be able to put any value of 0-9 (or maybe 1-10) on pins D1..D4 to select one of the 10 original cordless phone frequencies.

I'm guessing that the R/B pin is Remote/Base select. On the MC145166 this is called the "MODE" pin, where the thing is in Base mode (46 Mhz) when high, and Remote mode (49 Mhz) when low. Taking advantage of this should give 20 total channels.

Jerome

--- In 49megahertz@yahoogroups.com, "Pete Crapia" <BachelorsGrove@a...> wrote:
> In Radio Shack's TRC-512 5 channel radio there is an IC labeled
> LC7150 made by Sanyo. From the only info I found it is a 10 channel
>...
> out... If anyone has a datasheet for this chip PLEASE post it on the
> discussion board or directly to me. It should be very easy to modify
> these 5 channel units into 10 channels giving us a better chance of

166. Introduction

Yahoo group: 49megahertz
Date: 2003-01-06 03:10:28 UTC
From: JT <jerome@arbornet.org>
Topic: 166 Message: 166

Howdy, all, from Kansas City. I've been interested in the 49 Mhz band for a long time -- ever since I had some cheap AM, no-squelch, RadioShack/Archer kiddie walkie-talkies which I got when I was so young I can't even remember getting them.

Current equipment:
TRC-506 (pair): 49.83 Mhz with headset
TRC-503: 5-channel, original model
A couple TRC-512's: 5-channel, newer model
Several TRC-509's: Single channel

Most of those were purchased during sales.

I also have a few scanners and have been a licensed ham since the mid '80s

One time I modified a TRC-503 by adding a pair of phone jacks (1/8" and 3/32") and a little circuity to allow a lapel speaker/mic to be used. Another modification that I started was to gut a TRC-512 in order to turn it into a 10-channel base station. That project was never completed, but reading this group may get that project moved back up the priority list. (It's nice to know I'm not the only one with an abnormal fascination with 49 MHz :-)

-Jerome

168. Hot glued radios

Yahoo group: 49megahertz
Date: 2003-01-06 15:03:17 UTC
From: N6ZEU@aol.com
Topic: 168 Message: 168

Michael 49H3MA and the group:
In response to the oem's pouring hot glue or sometimes wax on the pc boards I HATE that. I used to modify garage sale AM/ FM transistor radios when I
was about a young boy. I would pick out that wax and stretch or compact the copper coils and generally tweak any thing I could until I got something. I lived close to an airport so I could pretty easily pick up Taxis, public service and
strong voice pager signals. I suspect they were images, mixes, and front end overload caused by me messing up the sensitivity so bad.
What I figured out by sheer luck was this gunk the put in there was to

keep the radios from detuning if you dropped them or other wise move components around in them. luckily none of my walkie talkies have the dreaded

goop in them. I guess the smaller sturdier coils are less easily detuned.

Bill

169. Re: TRC-512 Modification

Yahoo group: 49megahertz
Date: 2003-01-07 14:02:14 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 156 Message: 169

The diode config was my first guess I just wanted to wait and see what someone could turn up on the board here. Thanks for responding! I guess I'll give it a try anyway. You could be right on the unit being a TRC-503. I didn't reopen a brand new TRC-512 yet to see if it has the same chip. I just assumed it was the same model number. I have about 17 49MHz radio and as for the junk pile, were I got the Sanyo chip from, I have about 6 radios. So I just got lazy to verify it with a non-opened radio but I'll get around to it.

Pete

--- In 49megahertz@yahoogroups.com, "JT <jerome@a...>" <jerome@a...> wrote:
> Or maybe even 20 channels!
>
> Are you sure that's a TRC-512 and not a TRC-503 (the original, more
> boxy-looking 5-channel version)? I took a TRC-512 apart a few years
> ago in preparation for converting it to a 10-channel unit. It has an
> MC145166 in it. But I also have a service manual for the TRC-503
> which calls out the LC7150. It looks like pins 6,7,8,9, and possibly
> 2 are what you're interested in.
>
> Pin Description
> 6 D1
> 7 D2
> 8 D3
> 9 D4
> 2 R/B
>
> Pins 6-9 appeared to be pulled low internally to the part, so to set
> them to a '0' logic level you can leave them unconnected, and to set
> them to a '1' logic level connect them to pin 17 (Vdd), maybe through
> a resistor.
>
> The one that I disassembled with the MC145166 just used a simple diode
> matrix to connect the appropriate line(s) to select the channel. You
> should be able to put any value of 0-9 (or maybe 1-10) on pins D1..D4
> to select one of the 10 original cordless phone frequencies.
>

> I'm guessing that the R/B pin is Remote/Base select. On the
MC145166
> this is called the "MODE" pin, where the thing is in Base mode (46
> Mhz) when high, and Remote mode (49 Mhz) when low. Taking advantage
> of this should give 20 total channels.
>
> Jerome
>
> --- In 49megahertz@yahoogroups.com, "Pete Crapia"
> <BachelorsGrove@a...> wrote:
> > In Radio Shack's TRC-512 5 channel radio there is an IC labeled
> > LC7150 made by Sanyo. From the only info I found it is a 10
channel
> >...
> > out... If anyone has a datasheet for this chip PLEASE post it on
the
> > discussion board or directly to me. It should be very easy to
modify
> > these 5 channel units into 10 channels giving us a better chance
of

170. Re: TRC-512 Modification

Yahoo group: 49megahertz
Date: 2003-01-07 14:02:14 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 156 Message: 170

The diode config was my first guess I just wanted to wait and see what someone could turn up on the board here. Thanks for responding! I guess I'll give it a try anyway. You could be right on the unit being a TRC-503. I didn't reopen a brand new TRC-512 yet to see if it has the same chip. I just assumed it was the same model number. I have about 17 49MHz radio and as for the junk pile, were I got the Sanyo chip from, I have about 6 radios. So I just got lazy to verify it with a non-opened radio but I'll get around to it.

Pete

--- In 49megahertz@yahoogroups.com, "JT <jerome@a...>" <jerome@a...> wrote:
> Or maybe even 20 channels!
>
> Are you sure that's a TRC-512 and not a TRC-503 (the original, more
> boxy-looking 5-channel version)? I took a TRC-512 apart a few years
> ago in preparation for converting it to a 10-channel unit. It has an
> MC145166 in it. But I also have a service manual for the TRC-503
> which calls out the LC7150. It looks like pins 6,7,8,9, and possibly
> 2 are what you're interested in.
>
> Pin Description
> 6 D1
> 7 D2
> 8 D3
> 9 D4
> 2 R/B
>
> Pins 6-9 appeared to be pulled low internally to the part, so to set
> them to a '0' logic level you can leave them unconnected, and to set
> them to a '1' logic level connect them to pin 17 (Vdd), maybe through
> a resistor.
>
> The one that I disassembled with the MC145166 just used a simple diode
> matrix to connect the appropriate line(s) to select the channel. You
> should be able to put any value of 0-9 (or maybe 1-10) on pins D1..D4
> to select one of the 10 original cordless phone frequencies.
>

> I'm guessing that the R/B pin is Remote/Base select. On the
MC145166
> this is called the "MODE" pin, where the thing is in Base mode (46
> Mhz) when high, and Remote mode (49 Mhz) when low. Taking advantage
> of this should give 20 total channels.
>
> Jerome
>
> --- In 49megahertz@yahoogroups.com, "Pete Crapia"
> <BachelorsGrove@a...> wrote:
> > In Radio Shack's TRC-512 5 channel radio there is an IC labeled
> > LC7150 made by Sanyo. From the only info I found it is a 10
channel
> >...
> > out... If anyone has a datasheet for this chip PLEASE post it on
the
> > discussion board or directly to me. It should be very easy to
modify
> > these 5 channel units into 10 channels giving us a better chance
of

171. Re: TRC-512 Modification

Yahoo group: 49megahertz
Date: 2003-01-07 14:03:32 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 156 Message: 171

what's with the double post!

172. Homemade transmitter

Yahoo group: 49megahertz
Date: 2003-01-07 14:16:49 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 172 Message: 172

For those of you who are interested I found a schematic at this page
for a 49MHz transmitter

http://jap.hu/electronic/rf.html

Maybe someone can try it out? I have enough radio right now so I'm
not going to bother with it. Maybe the moderator can post the
schematic in the files section of the message board?

Pete

173. Re: [49MHz] Re: TRC-512 Modification

Yahoo group: 49megahertz
Date: 2003-01-07 23:35:01 UTC
From: N6ZEU@aol.com
Topic: 173 Message: 173

I'm still looking around for a TRC-512. All the radio shacks in my area have sold out.

Interesting on converting the 5 channel units to 10 or possibly 20 channels.

I think I could figure out how to pull the pins HI/LO but the diode matrix is beyond my skill level.

My 509 has a MC3361 (MOT)
508/512 MC145166 (MOT)

In my allied catalog they only list a:
MC14515 (MOT) PLL
Parallel input freq. synthesizer.

I doubt that NTE makes a replacement for the MC145166 but if you can cross reference it to an NTE number they have free data sheets for all of there IC's.

Bill

174. Re: [49MHz] Re: TRC-512 Modification

Yahoo group: 49megahertz
Date: 2003-01-07 23:40:26 UTC
From: Fbs1050@aol.com
Topic: 173 Message: 174

You'll probably have better luck on eBay, I don't think Radio Shack
has any active interest in keeping their stores stocked with TRC radios,
especially now that they have FRS to cash in on. :-)

Michael 49H3MA
President, 49MHz Experimental Radio Club

175. Re: [49MHz] Re: TRC-512 Modification

Yahoo group: 49megahertz
Date: 2003-01-08 00:04:16 UTC
From: N6ZEU@aol.com
Topic: 173 Message: 175

<PRE>Thanks Michael I take a look on EBAY

176. [49MHz] Re: TRC-512 Modification

Yahoo group: 49megahertz
Date: 2003-01-08 18:59:30 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 173 Message: 176

Speaking of the MC14515... For those who have the Maxon 49MHz radios
check this out:

http://www.amalgamate2000.com/sales/newpage1.htm

--- In 49megahertz@yahoogroups.com, N6ZEU@a... wrote:

> In my allied catalog they only list a:
> MC14515 (MOT)
PLL
> Parallel input freq. synthesizer.

> Bill

177. [49MHz] Re: TRC-512 Modification

Yahoo group: 49megahertz
Date: 2003-01-08 19:47:47 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 173 Message: 177

For this IC you could use pin 9 for an FSK audio output. When I get a chance I will post some information on where I tapped into on a TRC-509 for feeding FSK signals into it. Since I have POCSAG going as one of my beacons you could also use the same radio for receive by using baseband audio on pin 9 of the MC3361. This would free up the need to use a regular radio scanner to receive the digital signals.

Pete

--- In 49megahertz@yahoogroups.com, N6ZEU@a... wrote:
>
> My 509 has a MC3361 (MOT)

>
> Bill

178. Admin

Yahoo group: 49megahertz
Date: 2003-01-08 19:55:13 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 178 Message: 178

If the admin of this board doesn't mind I would like access to posting files in the Files section. I would be posting things like datasheets, schematics and modifications to 49MHz radios.

So what does anyone else think?

Pete

179. Check out MC145151-2 Product Summary Page

Yahoo group: 49megahertz
Date: 2003-01-08 21:45:58 UTC
From: N6ZEU@aol.com
Topic: 179 Message: 179

It looks like MOT has discontinued the MC145151 and has a new rev. with lower power consumption and a few other improvements. Here is a link to MOT's site with technical data and spec. sheets (Adobe Acrobat) I checked out the article posted on the 145151, very informative. I have two of those Maxon 5 channel headset radios in my storage I should open one up and see if it has the 145.... chip. Bill Click here: MC145151-2 Product Summary Page (http://e-www.motorola.com/webapp/sps/site/prod_summary.jsp?code=MC145151-2&nodeId=02XPgQhCQ68ffj896680756070)

180. Re: [49MHz] Admin

Yahoo group: 49megahertz
Date: 2003-01-08 21:52:08 UTC
From: Fbs1050@aol.com
Topic: 180 Message: 180

>If the admin of this board doesn't mind I would like access to
>posting files in the Files section. I would be posting things like
>datasheets, schematics and modifications to 49MHz radios.

Sure thing! All users should be able to post items to the Files
section now. I previously didn't allow this because of the amount
of spammers who attempted (and sometimes succeeded) at joining
the group.

While the list is set to have me OK any new members,
it turns out that a lot of spammers have very convincing email
addresses. :-) As some of you already know, I recently sent out
an email to "suspicious" or inactive addresses. This process deleted
most of the spammers on the list. Sorry for any inconvenience to
real people.

Just one request: I set up the files section with various directories
for different topics. If a file you are uploading matches one of the
topics with its own directory, *please* upload it into that directory.
Files section overcrowding is a problem on a lot of groups and I
don't want it to happen here. :-)

So, with all that boring stuff in mind, go ahead and post!

73 de Michael 49H3MA
President, 49MHz Experimental Radio Club

181. Re: [49MHz] Admin (Pete's Proposal)

Yahoo group: 49megahertz
Date: 2003-01-08 22:08:06 UTC
From: Community Radio Station
Topic: 178 Message: 181

I don't have a problem with that Pete...

Just as long as you only post them ONCE! <grin>

BA - 49C6GT

Corruptissima re publica plurimae leges

On Wed, 8 Jan 2003, Pete Crapia <BachelorsGrove@...> wrote:

> If the admin of this board doesn't mind I would like access to
> posting files in the Files section. I would be posting things like
> datasheets, schematics and modifications to 49MHz radios.
>
> So what does anyone else think?

182. Re: [49MHz] Admin (Pete's Proposal)

Yahoo group: 49megahertz
Date: 2003-01-09 10:54:29 UTC
From: Bill <N6ZEU@aol.com>
Topic: 178 Message: 182

--- In 49megahertz@yahoogroups.com, Community Radio Station
<ASCR@S...> wrote:
> I don't have a problem with that Pete...
> >
> BA - 49C6GT
>

I posted a few photos of some of my junk in the photo section. Please feel free to delete them at will Admin. I am working with a new Camera and I thought I would try to get some practice on the site.

I saw Petes Photo in the Profile section I don't know if I am that Brave. lol, I'll have to ponder that one. I would hate to see my picture on the ten most wanted wall in Gettysburg.

Bill

183. Re: [49MHz] Admin (Pete's Proposal)

Yahoo group: 49megahertz
Date: 2003-01-09 18:33:44 UTC
From: Fbs1050@aol.com
Topic: 178 Message: 183

> I saw Petes Photo in the Profile section I don't know if I
> am that Brave.

Personally, I think that using one type of radio on another band (ham-49) *should* only matter if the radio is problematic on that band (power/bandwidth/etc.) Obviously, the FCC disagrees with me. :-) lol

73 de Michael 49H3MA
President, 49MHz Experimental Radio Club
NOTE: Considering that I'm completely crazy :) my opinons do not match those of the 49MHz ERC.

184. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2003-01-09 21:57:10 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 184

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/trc512.zip
Uploaded by : bachelorsgrove_com <BachelorsGrove@...>
Description : Photos of the circuit board for the TRC-512 (21-412) by Radio Shack

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Schematics/trc512.zip

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

bachelorsgrove_com <BachelorsGrove@...>

185. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2003-01-09 22:00:38 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 185

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/trc509.zip
Uploaded by : bachelorsgrove_com <BachelorsGrove@...>
Description : Photos of the circuit board for the TRC-509 (21-409) by Radio Shack

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Schematics/trc509.zip

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

bachelorsgrove_com <BachelorsGrove@...>

186. Re: [49MHz] Admin

Yahoo group: 49megahertz
Date: 2003-01-09 22:02:40 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 180 Message: 186

Thanks! Now I can go to work on getting things up.

Pete

--- In 49megahertz@yahoogroups.com, Fbs1050@a... wrote:

> Sure thing! All users should be able to post items to the Files
> section now. I previously didn't allow this because of the amount
> of spammers who attempted (and sometimes succeeded) at joining
> the group.

187. Service Manuals

Yahoo group: 49megahertz
Date: 2003-01-09 22:08:30 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 187 Message: 187

If anyone has ordered service manuals for any of the Radio Shack 49MHz radios (or other radios) please let me know. If you can't scan them in and make PDFs of them I can do that for you. I think the group would highly benefit from it. I will gladly pay for shipping charges both ways to help make that happen.

Pete

188. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2003-01-09 22:18:44 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 188

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/trc508.zip
Uploaded by : bachelorsgrove_com <BachelorsGrove@...>
Description : Photos of the circuit board for the TRC-508 (21-408) by Radio Shack

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Schematics/trc508.zip

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

bachelorsgrove_com <BachelorsGrove@...>

189. Software

Yahoo group: 49megahertz
Date: 2003-01-09 22:47:32 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 189 Message: 189

There will be a need for a Software folder in the files section. I am working on a two-way text messenger for the MURS band which will be able to be used on the 49MHz band as well. I will probably post some other small files as well. All will be freeware so you don't have to worry. This new software will use a serial port for sending and receiving text in the Pocsag format. Making the interfaces will be very easy and cheap.

Pete

190. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2003-01-09 23:29:11 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 190

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/509 Parts list.txt.txt
Uploaded by : billvert1 <N6ZEU@...>
Description : Detailed TRC-509 parts list - #21-409

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Schematics/509%20Parts%20list.txt.txt

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

billvert1 <N6ZEU@...>

191. Service manuals & schematics uploaded

Yahoo group: 49megahertz
Date: 2003-01-10 23:43:41 UTC
From: Jerome <jerome@arbornet.org>
Topic: 191 Message: 191

I've uploaded service manuals for the following radios:
TRC-503
TRC-506
TRC-509
TRC-512

I've also uploaded schematics for the following radios:
TRC-503
TRC-506
TRC-509

The TRC-512 schematic is too big (by about a half an inch) to scan all
at once. I'm working on piecing it together and hopefully will have
it up RSN.

-Jerome

192. Re: Service manuals & schematics uploaded

Yahoo group: 49megahertz
Date: 2003-01-11 18:50:53 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 191 Message: 192

Excellent work!! Thank you VERY much!! I can easily figure out the
extra frequencies we can use now... I'll get on that ASAP.

By the way, if anyone needs the service manuals for the following
R.S. products let me know. They will be in PDF format.

20-432 - Pro 2052 Radio scanner
20-514 - Pro 89 Radio scanner
20-524 - Pro 94 Radio scanner
15-1971 - 2.4 GHz video sender
19-1207 - UHF Business band radio
49-2501/2 - VSS 400 Video observation system

--- In 49megahertz@yahoogroups.com, "Jerome <jerome@a...>"
<jerome@a...> wrote:
> I've uploaded service manuals for the following radios:
> TRC-503
> TRC-506
> TRC-509
> TRC-512
>
> I've also uploaded schematics for the following radios:
> TRC-503
> TRC-506
> TRC-509
>
> The TRC-512 schematic is too big (by about a half an inch) to scan
all
> at once. I'm working on piecing it together and hopefully will have
> it up RSN.
>
> -Jerome

193. [49MHz] Re: TRC-512 Modification

Yahoo group: 49megahertz
Date: 2003-01-12 00:54:24 UTC
From: John H. Guetherman <jhguetherman@yahoo.c
Topic: 173 Message: 193

--- In 49megahertz@yahoogroups.com, N6ZEU@a... wrote:
> I'm still looking around for a TRC-512. All the radio shacks in my area have sold out.
>
> Bill

When I went looking for them last year, I got the last one in all of Arizona. The clerk was able to look at his computer, and he let me see it too, and was able to see the stock of every store in the state. I had to take a good half-hour drive (one-way) over the freeway to a store in east Phoenix (a bad neighborhood, no less) to get the last one.

Your closest store should be able to do the same thing with their computer.

I bought another 512 a couple of years ago. So I've got a pair now.

John H. Guetherman
KB7MIB/KAE7927 (expired)
KAZ7FA/KBKF9922/SSB-83T
Peoria, AZ.

194. trc-509 service manual

Yahoo group: 49megahertz
Date: 2003-01-12 07:52:36 UTC
From: G V Thornton <kw4gt@yahoo.com>
Topic: 194 Message: 194

I have tried downloading this pdf file with both internet explorer and
netscape, and both ways it errors out after about 374K. Adobe reader
is unable to display the "damaged" file.

Anyone else having this problem?

195. Re: [49MHz] trc-509 service manuls

Yahoo group: 49megahertz
Date: 2003-01-13 00:26:21 UTC
From: Community Radio Station
Topic: 194 Message: 195

Hi G.V.

Both Internet Exploder and NutScrape added FTP function
as an afterthought... I'm not sure if you can do it
with Yahoo (as I'm sure they want you to HAVE TO view
all their advertising crapola and banners, PLUS track
you with cookies and Java applets), but you MIGHT consider
getting a dedicated FTP Client (like WS_FTP) off the net
and installing it for getting files in a MUCH more re-
liable and secure fashion.

To the owner of this list, I would suggest the contents of
the lists' 'briefcase' might be mirrored on a non-yahoo
(if Yahoo doesn't allow non-port80 access to files)
system so that FTP clients (even the text based ones that
come as standard equipment in the REAL OS's ;) (PS: WinDohs
may still have a text command-line ftp client available within
the 'DOS-Prompt' window by typing "ftp" at the command prompt)
can get 'anonymous' ftp session access to them.

<begin rant mode>
Many of us that have been around since the OneList and eGroup
days, don't spend much time using the Yahoo interface to the
list for several reasons, not the least of which is listed
above, PLUS - Yahoo has just made it too much of a hassle
to get in and make changes to ones account, or even MANAGE
a list of your own... It would be nice to have the files
somewhere that didn'trequire us to put our privacy at risk
just do download... <end rant mode>

Just a couple random thoughts from an irradiated mind ~:-)

73 2 all,
49C6GT - Bruce

On Sun, 12 Jan 2003, G V Thornton <kw4gt@...> wrote:

> I have tried downloading this pdf file with both internet explorer and
> netscape, and both ways it errors out after about 374K. Adobe reader
> is unable to display the "damaged" file.
>
> Anyone else having this problem?

196. Re: trc-509 service manual

Yahoo group: 49megahertz
Date: 2003-01-13 06:07:32 UTC
From: Bill <N6ZEU@aol.com>
Topic: 194 Message: 196

--- In 49megahertz@yahoogroups.com, "G V Thornton <kw4gt@y...>"
<kw4gt@y...> wrote:
> I have tried downloading this pdf file with both internet explorer
and
==========

I downloaded both the files you speak of in PDF form using AOL. I
have loaded both of them into Adobe Acrobat Reader 5.1 with no
problems. I am also running explorer and there dosen't seem to be any
conflict.

Bill

198. Please disregard the last email

Yahoo group: 49megahertz
Date: 2003-01-13 21:57:14 UTC
From: Fbs1050@aol.com
Topic: 198 Message: 198

Accidentally sent my rough draft to the list...
Duuuuh. :-)

73 de Michael 49H3MA
Listadmin

199. Admin: Read this one. :-)

Yahoo group: 49megahertz
Date: 2003-01-13 22:08:10 UTC
From: Fbs1050@aol.com
Topic: 199 Message: 199

>I would suggest the contents of the lists' 'briefcase' might be mirrored
>on a non-yahoo system

Great idea, but right now I don't have the time or the resources to keep an active mirror set up for the Yahoo briefcase, simply because I would then need to check on the files section very frequently to keep the mirror accurate, and I do not feel comfortable allowing any user to upload files to a directory on the 49MHz ERC server.

I do agree with you on the YahooGroups issue. It is definitely a pain to administrate, and the privacy issue right now is horrible. I have been thinking about switching over to another reflector host for quite awhile now, but the online group situation right now is horrible because of Yahoo purchasing the two best listserves... :-)

I have found a few providers that would be suitable for 49MHz traffic, but there are a few problems:

1. All of the lists don't have a "files" section like Yahoo does, which would allow us to share schematics and other files like we're doing now. Right now I don't have anywhere that I could put the files, aside from putting a separate page up on the 49MHz ERC website and updating it manually every time someone wants to upload a file (shudder).

2. Right now we have 36 list members, and quite a few of them are inactive. Trying to get everyone to resubscribe would be a scary thought, especially considering that many listserves don't allow moderators to manually add email addresses.

3. The address for this group is listed on about a dozen search engines and link directories. Would it really be worth it to shut down the list?

If anyone has any questions, comments, or solutions for these rants (and I know you do!) :-), please feel free to reply!

Thanks!
Michael 49H3MA
Listadmin

200. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2003-01-15 01:26:37 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 200

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/trc512_schematic.pdf
Uploaded by : jerome49mhz <jerome@...>
Description : TRC-512 Schematic

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Schematics/trc512_schematic.pdf

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

jerome49mhz <jerome@...>

201. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2003-01-16 07:41:20 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 201

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/trc503.zip
Uploaded by : bachelorsgrove_com <BachelorsGrove@...>
Description : Photos of the circuit board for the TRC-503 (21-403) by Radio Shack

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Schematics/trc503.zip

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

bachelorsgrove_com <BachelorsGrove@...>

202. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2003-01-16 08:49:33 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 202

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Modifications/Trc503FreqMod.zip
Uploaded by : bachelorsgrove_com <BachelorsGrove@...>
Description : Expand the TRC-503 from 5 channels to 10 channels

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Modifications/Trc503FreqMod.zip

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

bachelorsgrove_com <BachelorsGrove@...>

203. What the???

Yahoo group: 49megahertz
Date: 2003-01-16 09:14:24 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 203 Message: 203

I noticed that the service manual for the TRC-512 says it is a "voice actuated" model??? Anyone have anymore info on this or is it a typo??

Pete

204. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2003-01-16 10:36:57 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 204

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Modifications/trc503_discriminator.txt
Uploaded by : bachelorsgrove_com <BachelorsGrove@...>
Description : Discriminator output for the TRC-503

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Modifications/trc503_discriminator.txt

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

bachelorsgrove_com <BachelorsGrove@...>

205. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2003-01-16 10:41:19 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 205

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Modifications/trc512_discriminator.txt
Uploaded by : bachelorsgrove_com <BachelorsGrove@...>
Description : Discriminator output for the TRC-512

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Modifications/trc512_discriminator.txt

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

bachelorsgrove_com <BachelorsGrove@...>

206. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2003-01-16 12:27:40 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 206

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Modifications/Trc512SquelchMod.zip
Uploaded by : bachelorsgrove_com <BachelorsGrove@...>
Description : Make an adjustable squelch for the TRC-512

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Modifications/Trc512SquelchMod.zip

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

bachelorsgrove_com <BachelorsGrove@...>

207. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2003-01-16 14:21:01 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 207

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Modifications/Trc512FreqMod.zip
Uploaded by : bachelorsgrove_com <BachelorsGrove@...>
Description : Expand the TRC-512 from 5 channels to 10 channels

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Modifications/Trc512FreqMod.zip

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

bachelorsgrove_com <BachelorsGrove@...>

208. Still can't download TRC-509 pdf's

Yahoo group: 49megahertz
Date: 2003-01-16 14:54:09 UTC
From: G V Thornton <kw4gt@yahoo.com>
Topic: 208 Message: 208

I have tried several times to download these files with no success.
I tried my FTP program, but when I tried to log in the FTP program to
groups.yahoo.com with my regular login password, it doesn't work.
Eventually the FTP program times out after trying numerous times.

How do I do an FTP download here?

Has anyone successfully downloaded the TRC-509 service manual pdf?

Maybe someone could email it directly to me if they have. Yahoo only
allows a 1.5 megabyte attachment I believe, but my other email
address kw4gt@... should accept larger attachments.

209. Re: Still can't download TRC-509 pdf's

Yahoo group: 49megahertz
Date: 2003-01-16 16:51:06 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 208 Message: 209

When you go to click on the file use the right mouse button and
choose "Save Target As"

If you use Netscape then you would also right click and choose
something similar. I can't remember what Netscape says exactly but
you should be able to figure it out from there.

Downloading certain files such as PDFs by left clicking can cause
goofy issues.

--- In 49megahertz@yahoogroups.com, "G V Thornton <kw4gt@y...>"
<kw4gt@y...> wrote:
> I have tried several times to download these files with no success.
> I tried my FTP program, but when I tried to log in the FTP program
to
> groups.yahoo.com with my regular login password, it doesn't work.
> Eventually the FTP program times out after trying numerous times.
>
> How do I do an FTP download here?
>
> Has anyone successfully downloaded the TRC-509 service manual pdf?
>
> Maybe someone could email it directly to me if they have. Yahoo only
> allows a 1.5 megabyte attachment I believe, but my other email
> address kw4gt@k... should accept larger attachments.

210. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2003-01-16 18:06:23 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 210

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Modifications/FSK_DISC.zip
Uploaded by : bachelorsgrove_com <BachelorsGrove@...>
Description : FSK input and Discriminator output for the TRC-509

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Modifications/FSK_DISC.zip

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

bachelorsgrove_com <BachelorsGrove@...>

211. Web Site

Yahoo group: 49megahertz
Date: 2003-01-17 06:52:00 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 211 Message: 211

There is a problem with the information for me on the web site

http://www.qsl.net/49mhz/49N9PC/

It says that I am John Smith with a call sign of 49H1JS?

212. Re: Still can't download TRC-509 pdf's

Yahoo group: 49megahertz
Date: 2003-01-17 06:53:00 UTC
From: G V Thornton <kw4gt@yahoo.com>
Topic: 208 Message: 212

Well of course, right clicking and saving targe as... is what I tried
to do in the first place.

Each time I have tried it, I get a partial download which of course
Adobe reader can't open because it is "damaged"

The biggest fragment so far is 1.03 Megabytes (out of a 2.33 Megabyte
file. Usually I get between 300 and 700 K before it "completes" (but
of course is incomplete)

Just now I tried on my wife's computer just to see if it was
something weird on my machine, but it just crapped out at 300+K

Back to my original question, has anyone actually been able to
successfully download this file (TRC-509 Service Manual)?

--- In 49megahertz@yahoogroups.com, "Pete Crapia
<BachelorsGrove@a...>" <BachelorsGrove@a...> wrote:
> When you go to click on the file use the right mouse button and
> choose "Save Target As"
>
> If you use Netscape then you would also right click and choose
> something similar. I can't remember what Netscape says exactly but
> you should be able to figure it out from there.
>
> Downloading certain files such as PDFs by left clicking can cause
> goofy issues.
>
>
> --- In 49megahertz@yahoogroups.com, "G V Thornton <kw4gt@y...>"
> <kw4gt@y...> wrote:
> > I have tried several times to download these files with no
success.
> > I tried my FTP program, but when I tried to log in the FTP
program
> to
> > groups.yahoo.com with my regular login password, it doesn't work.
> > Eventually the FTP program times out after trying numerous times.
> >
> > How do I do an FTP download here?
> >
> > Has anyone successfully downloaded the TRC-509 service manual pdf?
> >
> > Maybe someone could email it directly to me if they have. Yahoo
only
> > allows a 1.5 megabyte attachment I believe, but my other email

> > address kw4gt@k... should accept larger attachments.

213. Re: Still can't download TRC-509 pdf's

Yahoo group: 49megahertz
Date: 2003-01-17 06:57:29 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 208 Message: 213

Yes, I have. Tell ya what... I will upload them to my server and you can try it from there. Did you need all the manuals or just the one?

Pete

--- In 49megahertz@yahoogroups.com, "G V Thornton <kw4gt@y...>" <kw4gt@y...> wrote:

> Back to my original question, has anyone actually been able to
> successfully download this file (TRC-509 Service Manual)?

214. Re: Still can't download TRC-509 pdf's

Yahoo group: 49megahertz
Date: 2003-01-17 07:14:37 UTC
From: Pete Crapia <BachelorsGrove@aol.com>
Topic: 208 Message: 214

I uploaded all of them as Zip files so the service manual and main schematic are included in each "package." Here are the URLs:

http://mirror.bachelorsgrove.com/manuals/TRC503_SM.zip

http://mirror.bachelorsgrove.com/manuals/TRC506_SM.zip

http://mirror.bachelorsgrove.com/manuals/TRC509_SM.zip

http://mirror.bachelorsgrove.com/manuals/TRC512_SM.zip

It should work.

Pete

--- In 49megahertz@yahoogroups.com, "G V Thornton <kw4gt@y...>" <kw4gt@y...> wrote:
> Well of course, right clicking and saving targe as... is what I tried
> to do in the first place.
>
> Each time I have tried it, I get a partial download which of course
> Adobe reader can't open because it is "damaged"

215. Re: [49MHz] Web Site

Yahoo group: 49megahertz
Date: 2003-01-17 16:24:25 UTC
From: Fbs1050@aol.com
Topic: 215 Message: 215

>http://www.qsl.net/49mhz/49N9PC/

Duh. I accidentally left most of the "test" information on the page
when I uploaded it. :-) Sorry! I'll try and get a replacement page up
ASAP.

73 de Michael 49H3MA

216. Re: Still can't download TRC-509 pdf's

Yahoo group: 49megahertz
Date: 2003-01-17 17:43:26 UTC
From: G V Thornton <kw4gt@yahoo.com>
Topic: 208 Message: 216

Tnx a bunch. That worked on the first try :)

--- In 49megahertz@yahoogroups.com, "Pete Crapia
<BachelorsGrove@a...>" <BachelorsGrove@a...> wrote:
> I uploaded all of them as Zip files so the service manual and main
> schematic are included in each "package." Here are the URLs:
>
>
> http://mirror.bachelorsgrove.com/manuals/TRC503_SM.zip
>
> http://mirror.bachelorsgrove.com/manuals/TRC506_SM.zip
>
> http://mirror.bachelorsgrove.com/manuals/TRC509_SM.zip
>
> http://mirror.bachelorsgrove.com/manuals/TRC512_SM.zip
>
>
>
>
> It should work.
>
> Pete
>
>
> --- In 49megahertz@yahoogroups.com, "G V Thornton <kw4gt@y...>"
> <kw4gt@y...> wrote:
> > Well of course, right clicking and saving targe as... is what I
> tried
> > to do in the first place.
> >
> > Each time I have tried it, I get a partial download which of
course
> > Adobe reader can't open because it is "damaged"

217. Solar Flares

Yahoo group: 49megahertz
Date: 2003-03-12 08:17:06 UTC
From: Pete Crapia
Topic: 217 Message: 217

There has been a recent surge in solar flares, 142 recorded so far.
This would be a great time to start monitoring the 49 MHz band!!

http://www.spaceweather.com/

218. Possible source of 49MHz equipment

Yahoo group: 49megahertz
Date: 2003-03-30 00:35:42 UTC
From: Jerome
Topic: 218 Message: 218

I noticed in Electronic Goldmine's latest catalog they had some 25-channel cordless phones in "as is" condition for $5.95. They didn't state if they were in the 46/49 MHz band or not, but from the description it sounds like they are. They might be a source for some 49 MHz experimental projects.

http://www.goldmine-elec.com

Part numbers: G1425 or G1426 (the only difference being the color).

219. Dayton Again! :-)

Yahoo group: 49megahertz
Date: 2003-04-28 18:07:59 UTC
From: Michael
Topic: 219 Message: 219

Well, it's almost that time of year again! I'm not going to be able to make it this year, but I'm sure other club members will.

Here's an idea I had last year that didn't quite make it: A club net sometime around Saturday at 2100 local time on the club standard frequency of 49.8600MHz. Depending on how many people are going and the effective power on everyone's radios, a net after the 'fest could be a lot of fun.

The only problem seems to be talking (even in the general Dayton area) over 49MHz. Unless the sun is kind to us, we may not be able to get out much farther then a few hundred feet.

So... maybe a 2m net Saturday / 2100 / 147.5700MHz / 131.8Hz for general club discussion and a 49MHz net constantly going on .86 or .83 during the fest to just talk?

If there's enough response and enough people going this year, this could be a lot of fun.

So... do we have any volunteer NCS? :-)

73,

Michael Aquilina
Amateur Callsign KB3HFP (General Class)
President, 49MHz Experimental Radio Club
Member, Wireless Association of South Hills
Member, Amateur Radio Relay League

220. Hello everyone

Yahoo group: 49megahertz
Date: 2003-05-03 03:16:42 UTC
From: vhfradiobuff@aol.com
Topic: 220 Message: 220

I just joined the group so I thought I'd say hello. As you can see by my signature, I am a ham, KC2SSB. I am currently getting set up for 49mhz operation. I have submitted my information for membership with the 49mhz experimental radio club and I look forward to getting on the air soon. I am an avid 6 meter fan, in SSB of course. For 49mhz, I'll be using a discone antenna at 15 feet (just gotta check the SWR's in the band). Does anyone have a chart of all the 49mhz frequencies used by those of us on the band?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=- 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT) Beachwood, NJ USA! Grid FM29vw http://vhfradiobuff.tripod.com Fight Spam! http://spamcop.net

221. Re: [49MHz] Hello everyone

Yahoo group: 49megahertz
Date: 2003-05-03 03:29:16 UTC
From: vhfradiobuff@aol.com
Topic: 221 Message: 221

In a message dated 5/2/2003 11:19:32 PM Eastern Daylight Time, vhfradiobuff@... writes: > Does anyone have a chart of all the 49mhz frequencies used by those of us on > the band? I just found a listing in the file section. It recommends that people operate on 49.830 and 49.860. I was wondering what those of you on this list operate on.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=- 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT) Beachwood, NJ USA! Grid FM29vw http://vhfradiobuff.tripod.com Fight Spam! http://spamcop.net

222. FNG here, and dipole mod

Yahoo group: 49megahertz
Date: 2003-06-20 04:00:01 UTC
From: tackleberry_nj
Topic: 222 Message: 222

Hey there, Im from northern NJ and figured Id say hi. Im not a HAM, to techncal and to expensive, but I messed around with CB, scanning, and 49 MHz as a kid in highschool.

Now Im into using radios for paintball games, scenario games in particular. Theyre close to a 400 vs 400 player paintball game, usaly 12-24 hours long, and center around a mision based game on a HUGE field, not just capture the flag, in case anyone hasnt heard of them. THey include lots of missions and stuff, base security, patrols, attacks, siezing objectives and eliminating the other teams "Generals" with high point values for every mission completed. Well paintballers rarely know anything about radios, so Ive kinda got back into it to help out and get a bit of an edge using them at these huge games (skirmsh PA if anyone is going this summer) So I dropped by doing research for an article for www.paintballzone.com (non-profit site) on radios. We normaly use frs or ocasionaly gmrs, and CB for longer ranges, but 49 mhz does pop up alot among two man teams who like an empty channel. Some people use scanners, and the general of each team usualy has people swarming around him with radios so he can direct his team oer wide areas, my project has been to boost the range using handheld cbs and encouraging gmrs liscensing, both of wich can use field expedient antennas. Scenario games also encourage people to have costumes and historicly acurate gear when possible if the game depicts a certain era, so the cb angle works well if you put a battery operated handheld into a mettle case to look like a PRC backpack radio.

I have plans for a wire dipole antenna for a radio shack single chanel headset radio, but I dont know if you guys want to have people post stuff that may not be allowed for 49mhz (im not a lawyer) if someone actualy built it. Lets just say that it boosted range 5 to 6 times that of the little mettle antenna in heavy woods. If you guys dont want me to post it I understand, but then if someone had a ham liscense wouldnt it be leagal for them to do the same thing to the same model radio if it were on 6 meters? Well its up to you guys.

Glad to see a site dedicated to 49mhz, now im pissed that I didnt buy more 49 mhz radios from rad shack when they were 3 bucks a piece for the 5 channel modes :(

223. 10 Channel base radio

Yahoo group: 49megahertz
Date: 2003-06-28 01:28:47 UTC
From: Jerome
Topic: 223 Message: 223

I created a photo album called "10 Channel Base" in the Photos section of this Yahoo Group. It has a couple of picture of my 10-channel base radio. It's still a work in progress. But it at least powers up and functions. It's capable of scanning all ten channels, or you can manually step through the channels. You can lock out any number of channels. It uses a standard two-plug speaker/mic. One of the switches lets you select which speaker to use (internal or external). It has a 16-character LCD to show the frequency, channel number, and lockout status. There's an LED to indicate power and a bi-color one to indicate Rx/Tx.

The original design was created several years ago. I've worked on it off and on over as time and interest permits. I still have some work to do, like add labels for the switches, adding the internal speaker, and connect the antenna jack. Also, I need to remove one of the switches and replace it with a squelch control as was shown in a previous message.

It's basically a TRC-512 5-channel R/S unit that's been removed from its case. I added a second board that has a PIC16C55 microcontroller and the supporting hardware to connect it all together.

-Jerome

224. 49Mhz to 6 meter?

Yahoo group: 49megahertz
Date: 2003-07-18 03:38:40 UTC
From: n_adam2000
Topic: 224 Message: 224

Hi everyone,

This is my very first post in this group. It's good to see people putting great ideas to work.

I'm looking to modify a cordless phone in the 49Mhz range to work in the 6 meter range. I'm going to use it for phone interconnect. Using my mobile radio I'll be able to make phone calls through the base phone. Do handsets send a PL tone of some sort? The Base phone's Tx power will also need to be modified. Any info. on this would be great.

225. Re: [49MHz] 49Mhz to 6 meter?

Yahoo group: 49megahertz
Date: 2003-07-18 04:04:08 UTC
From: Fbs1050@aol.com
Topic: 225 Message: 225

Hello,

It's great to see a new active member of the group, especially a Yahoo! user who isn't a spammer! :-)

This sounds like a great idea. I hadn't thought of it, but a telephone interconnect practically invites itself as a project, especially considering that most 49MHz equipment available are cordless phones.

Whether or not the handsets send out a PL varies from phone to phone. Mainly newer phones with "Privacy Protection" (the feature to keep your neighbors with the same phone from "accidentally" dialing out from your line) use PL control, but there is usually a switch to turn it off. It's usually labeled "Sec. Code" or "Privacy Code" with settings like "Off, 1, 2, 3." Just turn it off, or use a scanner to find the PL tone.

It would be interesting to see a database of PL tones used by different model phones and equipment, I think I'll set up a database now on the group.

Michael 49H3MA
Administrator

226. Anybody operating CW at 1649?

Yahoo group: 49megahertz
Date: 2003-07-18 16:56:39 UTC
From: Fbs1050@aol.com
Topic: 226 Message: 226

I'm hearing what sounds like a fairly weak CW signal on 49.8600MHz at 12:49PM Eastern / 1649 UTC. Could be the unselective receiver hearing six-meter comms, but could be Part 15 operations! (Major wishful thinking... :-)

Is / was anyone operating CW around this time? Maybe a beacon?

Michael 49H3MA
Administrator

227. RE: [49MHz] Anybody operating CW at 1649?

Yahoo group: 49megahertz
Date: 2003-07-18 23:09:10 UTC
From: Mike Staines
Topic: 226 Message: 227

I checked Dex's status page and he shows he is off now but I guess he could have been on then. The LWCA page lists the frequency of the NC beacon as 49.8525 MHz.

I've BCC:ed him here. Perhaps he is playing. He is foxy like that. 8-)

73,
Mike
wa1ptc

> -----Original Message-----
> From: Fbs1050@... [mailto:Fbs1050@...]
> Sent: Friday, July 18, 2003 12:57 PM
> To: 49megahertz@yahoogroups.com
> Subject: [49MHz] Anybody operating CW at 1649?
>
>
> I'm hearing what sounds like a fairly weak CW signal on
> 49.8600MHz at 12:49PM
> Eastern / 1649 UTC. Could be the unselective receiver hearing six-meter
> comms, but could be Part 15 operations! (Major wishful thinking... :-)
>
> Is / was anyone operating CW around this time? Maybe a beacon?
>
> Michael 49H3MA
> Administrator
>
>
> To unsubscribe from this group, send an email to:
> 49megahertz-unsubscribe@yahoogroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

228. Re: 10 Channel base radio

Yahoo group: 49megahertz
Date: 2003-07-28 11:40:51 UTC
From: Pete Crapia
Topic: 223 Message: 228

I'd like to know more about your use of the pic chip. Is it only for scanning purposes? Also, can you post the source code or the hex file?

I've been looking to make a deluxe transceiver in the near future focused around the TRC-512 so your use of it too, along with a pic, really perks my interest.

I'm even going to write up some software to control it, record audio, signal levels and more. It would be something like a DX software package for 49 MHz. Anyone up for a little PSK-31 on 49 MHz? :)

Pete

--- In 49megahertz@yahoogroups.com, "Jerome" <jerome@a...> wrote:
> I created a photo album called "10 Channel Base" in the Photos section
> of this Yahoo Group. It has a couple of picture of my 10-channel base
> radio. It's still a work in progress. But it at least powers up and
> functions. It's capable of scanning all ten channels, or you can
> manually step through the channels. You can lock out any number of
> channels. It uses a standard two-plug speaker/mic. One of the
> switches lets you select which speaker to use (internal or external).
> It has a 16-character LCD to show the frequency, channel number, and
> lockout status. There's an LED to indicate power and a bi-color one
> to indicate Rx/Tx.
>
> The original design was created several years ago. I've worked on it
> off and on over as time and interest permits. I still have some work
> to do, like add labels for the switches, adding the internal speaker,
> and connect the antenna jack. Also, I need to remove one of the
> switches and replace it with a squelch control as was shown in a
> previous message.
>
> It's basically a TRC-512 5-channel R/S unit that's been removed from
> its case. I added a second board that has a PIC16C55 microcontroller
> and the supporting hardware to connect it all together.
>
> -Jerome

229. 10 chanel base unit

Yahoo group: 49megahertz
Date: 2003-07-28 11:46:05 UTC
From: Pete Crapia
Topic: 229 Message: 229

I like the look of that unit, now I see some of the use of the pic chip (the lcd).

Pete

230. Re: [49MHz] Re: 10 Channel base radio

Yahoo group: 49megahertz
Date: 2003-07-28 15:22:39 UTC
From: Fbs1050@aol.com
Topic: 230 Message: 230

I *LIKE* that idea! A schematic for a customized 49MHz base station and computer-control software would be great! I'd be more than glad to host the software and schematics on the club website.

Right now I'm working on a "technical reference" section for the redesigned site. (Which, thankfully, won't have frames. I'm a lot better at web design/programming then I was when that site went up.) It should have technical information on different radios, and probably the different PDFs that are currently in the "Files" section of the YahooGroup.

LOL, PSK31 on 49MHz sounds like a challenge. But hey, if I'm hearing CW (and it's not in my dreams) then I guess it can be done! (But first, I need to pick up a better radio as the club station. Like, maybe, a TRC-512? :-)

73,

Michael 49H3MA
List Administrator
President, 49MHz ERC

231. Rules reference; and a kit project

Yahoo group: 49megahertz
Date: 2003-07-30 12:46:31 UTC
From: John H. Guetherman
Topic: 231 Message: 231

http://www.atlasce.com/FCC_part15.htm "The following Part 15 regulations contain all updates and changes made by the Commission as of May 30, 2002. In addition, this version contains some directional notes, not themselves contained in the regulations. These directional notes are enclosed by brackets ([])."

A reference for those who are/may wish to build their own 49 MHz radio equipment.

Excerpts:

Section 15.5 General conditions of operation.
(a) Persons operating intentional or unintentional radiators shall not be deemed to have any vested or recognizable right to continued use of any given frequency by virtue of prior registration or certification of equipment, or, for power line carrier systems, on the basis of prior notification of use pursuant to Section 90.63(g) of this chapter.

(b) Operation of an intentional, unintentional, or incidental radiator is subject to the conditions that no harmful interference is caused and that interference must be accepted that may be caused by the operation of an authorized radio station, by another intentional or unintentional radiator, by industrial, scientific and medical (ISM) equipment, or by an incidental radiator.

(c) The operator of a radio frequency device shall be required to cease operating the device upon notification by a Commission representative that the device is causing harmful interference. Operation shall not resume until the condition causing the harmful interference has been corrected.

(d) Intentional radiators that produce Class B emissions (damped wave) are prohibited.

Section 15.23 Home-built devices.
(a) Equipment authorization is not required for devices that are not marketed, are not constructed from a kit, and are built in quantities of five or less for personal use.

(b) It is recognized that the individual builder of home-built equipment may not possess the means to perform the measurements for determining compliance with the regulations. In this case, the builder is expected to employ good engineering practices to meet the specified technical standards to the greatest extent practicable. The provisions of Section 15.5 apply to this equipment.

Section 15.235 Operation within the band 49.82 - 49.90 MHz.
(a) The field strength of any emission within this band shall not exceed 10,000 microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in Section 15.35 for limiting peak emissions apply.

(b) The field strength of any emissions appearing between the band edges and up to 10 kHz above and below the band edges shall be attenuated at least 26 dB below the level of the unmodulated carrier or to the general limits in Section 15.209, whichever permits the higher emission levels. The field strength of any emissions removed by more than 10 kHz from the band edges shall not exceed the general radiated emission limits in Section 15.209. All signals exceeding 20 microvolts/meter at 3 meters shall be reported in the application for certification.

(c) For a home-built intentional radiator, as defined in Section 15.23 (a), operating within the band 49.82-49.90 MHz, the following standards may be employed:

(1) The RF carrier and modulation products shall be maintained within the band 49.82-49.90 MHz.

(2) The total input power to the device measured at the battery or the power line terminals shall not exceed 100 milliwatts under any condition of modulation.

(3) The antenna shall be a single element, one meter or less in length, permanently mounted on the enclosure containing the device.

(4) Emissions outside of this band shall be attenuated at least 20 dB below the level of the unmodulated carrier.

(5) The regulations contained in Section 15.23 of this Part apply to intentional radiators constructed under the provisions of this paragraph.

(d) Cordless telephones are not permitted to operate under the provisions of this Section.

~~~~~~

49 MHz kit:

http://www.mfjenterprises.com/vectronics/products.php?prodid=VEC-1016K

John H. Guetherman
KB7MIB/WPXJ598
KAZ7FA/SSB-83T
Peoria, AZ.
~~~~~~

232. [49MHz] Re: 10 Channel base radio

Yahoo group: 49megahertz
Date: 2003-07-31 10:14:34 UTC
From: Pete Crapia
Topic: 230 Message: 232

There is a pair of 5 channel units on Ebay right now if you want them. They are an older model with a different number that I can't seem to remember off the top of my head. But I know they carry the same chip that can get the expanded channels (10).

You may have to copy and paste this into your browser due to Yahoo's word wrap crap (even when you uncheck the darn box not to too!)

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3037821741&category=15051&rd=1

--- In 49megahertz@yahoogroups.com, Fbs1050@a... wrote:
> I *LIKE* that idea! A schematic for a customized 49MHz base station and
> computer-control software would be great! I'd be more than glad to host the
> software and schematics on the club website.
>
> Right now I'm working on a "technical reference" section for the redesigned
> site. (Which, thankfully, won't have frames. I'm a lot better at web
> design/programming then I was when that site went up.) It should have technical
> information on different radios, and probably the different PDFs that are currently in
> the "Files" section of the YahooGroup.
>
> LOL, PSK31 on 49MHz sounds like a challenge. But hey, if I'm hearing CW (and
> it's not in my dreams) then I guess it can be done! (But first, I need to pick
> up a better radio as the club station. Like, maybe, a TRC-512? :-)
>
> 73,
>
> Michael 49H3MA
> List Administrator
> President, 49MHz ERC

233. Ebay

Yahoo group: 49megahertz
Date: 2003-07-31 10:16:40 UTC
From: Pete Crapia
Topic: 233 Message: 233

Here are some more Ebay links to 49 Mhz radios from Radio Shack.

http://cgi.ebay.com/ws/eBayISAPI.dll?
ViewItem&category=296&item=3038292296

http://cgi.ebay.com/ws/eBayISAPI.dll?
ViewItem&item=3037942231&category=40057&rd=1

234. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2003-08-01 11:32:38 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 234

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.0200MHz
49.0800MHz
49.1000MHz
49.1600MHz
49.2000MHz
49.2400MHz
49.2800MHz
49.3600MHz
49.4000MHz
49.4600MHz
49.5000MHz
49.6700MHz
49.7700MHz
49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz
49.9300MHz
49.9700MHz
49.9900MHz

235. Re: [49MHz] File - Admin1.txt

Yahoo group: 49megahertz
Date: 2003-08-01 15:16:13 UTC
From: Fbs1050@aol.com
Topic: 235 Message: 235

Oops. Please ignore this. I forgot to do the final edits, so that's not very accurate. :-(

I'll upload a new one now.

73,
Michael 49H3MA
49MHz_Hobbyists Listadmin
President, 49MHz Experimental Radio Club

236. ADMIN: [49MHz] File - Admin1.txt

Yahoo group: 49megahertz
Date: 2003-08-01 15:18:38 UTC
From: Fbs1050@aol.com
Topic: 236 Message: 236

The new list is uploaded, and supposedly works now. The old one wasn't very accurate.

237. Curious

Yahoo group: 49megahertz
Date: 2003-08-02 11:22:38 UTC
From: Pete Crapia
Topic: 237 Message: 237

Just curious, but I get the feeling that the use of the expanded frequencies is being frowned upon? Just making sure..

I think we should still keep the 49.83 & 49.86 frequencies as they are but I think that adopting one of the "expanded" freqs may be a good idea. It would help with the congestion of all the other devices operating on 49.83 & 49.86. If someone happens to run into a problem with those two freqs then they will have a much better option. Maybe the freq 49.67 should be adopted due to it's wavelength traveling farther. Probably not too much farther than the rest but I know that the only devices using this freq would be telephones too. This would help with sorting out the experimental transmissions from the "junk."

One other thing that has been on my mind lately is the use of 49.86. Just about all the cheap walkie-talkies use it in AM mode. So maybe there should be a notice about 49.86 being used in AM mode too for experimental use? Basic scanners with the Areo band can be easily modified to receive it in AM mode which would help increase our chances of receiving it with a more sensitive receiver than another cheap AM mode walkie-talkie (I can post this mod if others want it?)

Also, does anyone have an official list of modes we can legally use with the 49 MHz freqs we operate on? Such as AM, FM, SSB, types of digital, etc,.

Just a few thoughts...

Pete

238. My profile

Yahoo group: 49megahertz
Date: 2003-08-02 11:29:29 UTC
From: Pete Crapia
Topic: 238 Message: 238

My profile on the web site is missing and is replaced with Charles Wehking, 49N0CW.

Will this be fixed upon the creation of the new web site or should I send in the details again?

Pete Crapia, 49N9PC

239. Re: [49MHz] Curious

Yahoo group: 49megahertz
Date: 2003-08-03 00:54:50 UTC
From: Fbs1050@aol.com
Topic: 239 Message: 239

> Just curious, but I get the feeling that the use of the expanded
> frequencies is being frowned upon? Just making sure..
> Not really. At least, I don't mind, but I believe that Part 15 states that operations must occur between 49.6600 - 50.0000MHz. The rest is reserved for cordless phones? I just removed them until I could find out more about what Part 15 says.

> I think that adopting one of the "expanded" freqs may be a
> good idea. It would help with the congestion of all the other devices
> operating on 49.83 & 49.86. If someone happens to run into a problem
> with those two freqs then they will have a much better option. Maybe
> the freq 49.67 should be adopted due to it's wavelength traveling
> farther.
> Hmm... good idea. As soon as I find out about Part 15 (and if it's OK), then I'll post that as a "Recommended Club Frequency".

> One other thing that has been on my mind lately is the use of 49.86.
> Just about all the cheap walkie-talkies use it in AM mode. So maybe
> there should be a notice about 49.86 being used in AM mode too for
> experimental use?
> Hmm... interesting idea, but some equipment is FM, and since 49.8600 is used for so much, I don't think that it could be restricted to just AM for hobbyist use. But I'll add that as a suggestion to the list.

> Also, does anyone have an official list of modes we can legally use
> with the 49 MHz freqs we operate on? Such as AM, FM, SSB, types of
> digital, etc,.
> Another thing that I need to check Part 15 on. I believe all modes, but I'm not sure.

Michael 49H3MA
List Administrator
President, 49MHz Experimental Radio Club

240. Re: [49MHz] My profile

Yahoo group: 49megahertz
Date: 2003-08-03 00:56:18 UTC
From: Fbs1050@aol.com
Topic: 240 Message: 240

> My profile on the web site is missing and is replaced with Charles
> Wehking, 49N0CW.
>
Yet another problem with the profiles. This will be fixed with the new site,
which will hopefully have a bit of PHP on it to let me automatically post the
49MHz profiles. Right now I'm not sure whether I'll move it to a free host
with ads that will allow PHPs and CGIs (hostultra.com), or if I'll leave it on
qth.net. Suggestions from anyone?

Michael 49H3MA
List Administrator
President, 49MHz Experimental Radio Club

241. Club News

Yahoo group: 49megahertz
Date: 2003-08-03 01:03:19 UTC
From: Fbs1050@aol.com
Topic: 241 Message: 241

Hi all,

Yes, I *am* still alive, though incredibly busy, which explains why I haven't been answering a lot of club email lately. :-)

However, I am working on a new, frames-free version of the 49MHz ERC website, which will hopefully have technical resources, working profiles, and a lot of new features. Possibly including a mailing list that is separate from Y.a.h.o.o.G.r.o.u.p.s, which I hate. (Censored so that Big Brother doesn't see it.) :-)

The issue is, if I make a new site with the separate mailing list, I'll have to move the site to a free hosting provider, HostUltra.com. They're reasonable, one banner ad, no popups or anything, but QSL.net is kind enough to not put any ads whatsoever on the site.

Also, the separate mailing list would only be if I got the time to configure it on the free server, it wouldn't be anything included.

So, ideas? Suggestions? Flames? Comments? :-)

Michael
List Administrator
President, 49MHz Experimental Radio Club

242. Re: [49MHz] Curious

Yahoo group: 49megahertz
Date: 2003-08-05 01:12:16 UTC
From: John H. Guetherman
Topic: 239 Message: 242

From what I can see in Part 15, we can operate anywhere within 49.820 to 49.900, keeping our signal entirely within those limits.

With FM, we have the channels of 49.830, 49.845, 49.860, 49.875, and 49.890. Five channels, spaced 15kHz apart. I don't see any reference to what emission types are permitted or prohibited, with the exception of "damped wave" emissions being prohibited. [15.5(d)]

With AM, SSB, or narrow-band FM (analog? digital?), we could increase the number of 'channels' available to us because the narrower bandwidths of those emissions would allow us to get closer to the band edges without allowing any of our signal components to overlap those edges, and would allow us to squeeze in our signals more closely to each other.

How about a VFO, allowing us to slide up and down anywhere within the band?

General info:

Section 15.235 Operation within the band 49.82 - 49.90 MHz.
(a) The field strength of any emission within this band shall not exceed 10,000 microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in Section 15.35 for limiting peak emissions apply.

(b) The field strength of any emissions appearing between the band edges and up to 10 kHz above and below the band edges shall be attenuated at least 26 dB below the level of the unmodulated carrier or to the general limits in Section 15.209, whichever permits the higher emission levels. The field strength of any emissions removed by more than 10 kHz from the band edges shall not exceed the general radiated emission limits in Section 15.209. All signals exceeding 20 microvolts/meter at 3 meters shall be reported in the application for certification.

(c) For a home-built intentional radiator, as defined in Section 15.23 (a), operating within the band 49.82-49.90 MHz, the following standards may be employed:

(1) The RF carrier and modulation products shall be maintained within the band 49.82-49.90 MHz.

(2) The total input power to the device measured at the battery or the power line terminals shall not exceed 100 milliwatts under any condition of modulation.

(3) The antenna shall be a single element, one meter or less in length, permanently mounted on the enclosure containing the device.

(4) Emissions outside of this band shall be attenuated at least 20 dB below the level of the unmodulated carrier.

(5) The regulations contained in Section 15.23 of this Part apply to intentional radiators constructed under the provisions of this paragraph.

(d) Cordless telephones are not permitted to operate under the provisions of this Section.

Remember, if you home-brew your own gear, you're limited to no more than 5 pieces.

Section 15.23 Home-built devices.
(a) Equipment authorization is not required for devices that are not marketed, are not constructed from a kit, and are built in quantities of five or less for personal use.

(b) It is recognized that the individual builder of home-built equipment may not possess the means to perform the measurements for determining compliance with the regulations. In this case, the builder is expected to employ good engineering practices to meet the specified technical standards to the greatest extent practicable. The provisions of Section 15.5 apply to this equipment.

So, have fun. Just stay within the rules and regulations. We don't need to set a bad example.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

243. Re: 10 chanel base unit

Yahoo group: 49megahertz
Date: 2003-08-05 02:21:05 UTC
From: Jerome
Topic: 229 Message: 243

Yes, the PIC handles the LCD, the scanning & logic associated with it (lockout, etc.), and most of the switches.

I've posted the source code on my website: http://www.angelfire.com/weird2/jerome/pub/49mhz.asm

It's just a snapshot of the source code as it was when I last worked on it so it's a bit rough; There are still some simple bugs to be fixed. Hopefully when other projects settle down some I'll be able to work on it some more.

It's good to see some more activity on the list! So many projects, so little time...

-Jerome

--- In 49megahertz@yahoogroups.com, "Pete Crapia" <pcrapia@b...> wrote:
> I like the look of that unit, now I see some of the use of the pic
> chip (the lcd).
>
>
> Pete

244. Re: 10 chanel base unit

Yahoo group: 49megahertz
Date: 2003-08-05 12:39:28 UTC
From: Pete Crapia
Topic: 229 Message: 244

Great! You think you can upload it to the Files section of the board
though? Angelfire screwed up the formating of the ASCII text so
trying to read the code makes my head spin. By the way, nice to see
someone on here with some assembly experience!

Thanks!

Pete

--- In 49megahertz@yahoogroups.com, "Jerome" <jerome@a...> wrote:
> Yes, the PIC handles the LCD, the scanning & logic associated with
it
> (lockout, etc.), and most of the switches.
>
> I've posted the source code on my website:
> http://www.angelfire.com/weird2/jerome/pub/49mhz.asm
>
> It's just a snapshot of the source code as it was when I last worked
> on it so it's a bit rough; There are still some simple bugs to be
> fixed. Hopefully when other projects settle down some I'll be able
to
> work on it some more.
>
> It's good to see some more activity on the list! So many projects,
so
> little time...
>
> -Jerome
>
> --- In 49megahertz@yahoogroups.com, "Pete Crapia" <pcrapia@b...>
> wrote:
> > I like the look of that unit, now I see some of the use of the
pic
> > chip (the lcd).
> >
> >
> > Pete

245. Re: [49MHz] My profile

Yahoo group: 49megahertz
Date: 2003-08-05 12:44:03 UTC
From: Pete Crapia
Topic: 240 Message: 245

No problem. I'll also try and figure out a place for you to host at
(preferably for free).

Pete

--- In 49megahertz@yahoogroups.com, Fbs1050@a... wrote:
> > My profile on the web site is missing and is replaced with Charles
> > Wehking, 49N0CW.
> >
> Yet another problem with the profiles. This will be fixed with the
new site,
> which will hopefully have a bit of PHP on it to let me
automatically post the
> 49MHz profiles. Right now I'm not sure whether I'll move it to a
free host
> with ads that will allow PHPs and CGIs (hostultra.com), or if I'll
leave it on
> qth.net. Suggestions from anyone?
>
> Michael 49H3MA
> List Administrator
> President, 49MHz Experimental Radio Club

246. Re: [49MHz] Curious

Yahoo group: 49megahertz
Date: 2003-08-05 12:49:09 UTC
From: Pete Crapia
Topic: 239 Message: 246

Hmmm. I wonder if they would ever update it...

They say this doesn't include telephones so what would the phones fall under? What are the requirements that manufacturers have to follow? Do they get more power or less? More gain or less? So many questions and not a single Radio Shack to answer them :)

Oh well, I'll be back later with more to say after work.

Pete

--- In 49megahertz@yahoogroups.com, "John H. Guetherman" <jhguetherman@y...> wrote:
> From what I can see in Part 15, we can operate anywhere within 49.820
> to 49.900, keeping our signal entirely within those limits.
>
> With FM, we have the channels of 49.830, 49.845, 49.860, 49.875, and
> 49.890. Five channels, spaced 15kHz apart. I don't see any reference
> to what emission types are permitted or prohibited, with the
> exception of "damped wave" emissions being prohibited. [15.5(d)]
>
> With AM, SSB, or narrow-band FM (analog? digital?), we could increase
> the number of 'channels' available to us because the narrower
> bandwidths of those emissions would allow us to get closer to the
> band edges without allowing any of our signal components to overlap
> those edges, and would allow us to squeeze in our signals more
> closely to each other.
>
> How about a VFO, allowing us to slide up and down anywhere within the
> band?
>
> General info:
>
> Section 15.235 Operation within the band 49.82 - 49.90 MHz.
> (a) The field strength of any emission within this band shall not
> exceed 10,000 microvolts/meter at 3 meters. The emission limit in
> this paragraph is based on measurement instrumentation employing an
> average detector. The provisions in Section 15.35 for limiting peak
> emissions apply.
>
> (b) The field strength of any emissions appearing between the band

> edges and up to 10 kHz above and below the band edges shall be
> attenuated at least 26 dB below the level of the unmodulated
carrier
> or to the general limits in Section 15.209, whichever permits the
> higher emission levels. The field strength of any emissions removed
> by more than 10 kHz from the band edges shall not exceed the
general
> radiated emission limits in Section 15.209. All signals exceeding
20
> microvolts/meter at 3 meters shall be reported in the application
for
> certification.
>
> (c) For a home-built intentional radiator, as defined in Section
15.23
> (a), operating within the band 49.82-49.90 MHz, the following
> standards may be employed:
>
> (1) The RF carrier and modulation products shall be maintained
within
> the band 49.82-49.90 MHz.
>
> (2) The total input power to the device measured at the battery or
> the power line terminals shall not exceed 100 milliwatts under any
> condition of modulation.
>
> (3) The antenna shall be a single element, one meter or less in
> length, permanently mounted on the enclosure containing the device.
>
> (4) Emissions outside of this band shall be attenuated at least 20
dB
> below the level of the unmodulated carrier.
>
> (5) The regulations contained in Section 15.23 of this Part apply
to
> intentional radiators constructed under the provisions of this
> paragraph.
>
> (d) Cordless telephones are not permitted to operate under the
> provisions of this Section.
>
> Remember, if you home-brew your own gear, you're limited to no more
> than 5 pieces.
>
> Section 15.23 Home-built devices.
> (a) Equipment authorization is not required for devices that are
not
> marketed, are not constructed from a kit, and are built in
quantities
> of five or less for personal use.

>
> (b) It is recognized that the individual builder of home-built
> equipment may not possess the means to perform the measurements for
> determining compliance with the regulations. In this case, the
> builder is expected to employ good engineering practices to meet
the
> specified technical standards to the greatest extent practicable.
The
> provisions of Section 15.5 apply to this equipment.
>
> So, have fun. Just stay within the rules and regulations. We don't
> need to set a bad example.
>
> John H. Guetherman
> KB7MIB/WPXJ598
> Peoria, AZ.

247. Re: [49MHz] My profile

Yahoo group: 49megahertz
Date: 2003-08-05 15:56:24 UTC
From: Fbs1050@aol.com
Topic: 240 Message: 247

Well, I have a couple of hosting ideas. HostUltra and ProHosting both offer free hosting with some decent features. CGI/Perl, OK bandwidth and space, etc. I'm just trying to decide whether it would be worth it to switch.

Michael 49H3MA
List Administrator
President, 49MHz Experimental Radio Club

248. Re: 10 chanel base unit

Yahoo group: 49megahertz
Date: 2003-08-06 00:20:13 UTC
From: Pete Crapia
Topic: 229 Message: 248

I should have said Assembler, sorry....

--- In 49megahertz@yahoogroups.com, "Pete Crapia" <pcrapia@b...>
wrote:
> Great! You think you can upload it to the Files section of the
board
> though? Angelfire screwed up the formating of the ASCII text so
> trying to read the code makes my head spin. By the way, nice to see
> someone on here with some assembly experience!
>
> Thanks!
>
>
> Pete
>
>
>
>
> --- In 49megahertz@yahoogroups.com, "Jerome" <jerome@a...> wrote:
> > Yes, the PIC handles the LCD, the scanning & logic associated
with
> it
> > (lockout, etc.), and most of the switches.
> >
> > I've posted the source code on my website:
> > http://www.angelfire.com/weird2/jerome/pub/49mhz.asm
> >
> > It's just a snapshot of the source code as it was when I last
worked
> > on it so it's a bit rough; There are still some simple bugs to be
> > fixed. Hopefully when other projects settle down some I'll be
able
> to
> > work on it some more.
> >
> > It's good to see some more activity on the list! So many
projects,
> so
> > little time...
> >
> > -Jerome
> >
> > --- In 49megahertz@yahoogroups.com, "Pete Crapia" <pcrapia@b...>
> > wrote:
> > > I like the look of that unit, now I see some of the use of the

> pic
> > > chip (the lcd).
> > >
> > >
> > > Pete

249. Fixed

Yahoo group: 49megahertz
Date: 2003-08-06 02:09:16 UTC
From: Pete Crapia
Topic: 249 Message: 249

I opened the asm file in MPLAB and was able to read it in comfort :)
I also fixed the formatting problem so a regular text editor can
display it better and placed it in the files section.

Thanks again Jerome!

Pete

250. Re: [49MHz] Curious

Yahoo group: 49megahertz
Date: 2003-08-07 02:04:26 UTC
From: John H. Guetherman
Topic: 239 Message: 250

--- In 49megahertz@yahoogroups.com, "Pete Crapia" <pcrapia@b...>
wrote:
> Hmmm. I wonder if they would ever update it...
>
> They say this doesn't include telephones so what would the phones
> fall under? What are the requirements that manufacturers have to
> follow? Do they get more power or less? More gain or less? So many
> questions and not a single Radio Shack to answer them :)
>
> Oh well, I'll be back later with more to say after work.
>
> Pete
>

Cordless phones operate under section 15.233 of the rules, which is the section just before the 49 MHz radios at 15.235.

The manufacturers have the same power input and field strength limitations that home-builders do, however they must submit their designs for certification to the FCC prior to marketing. Home-builders don't have to submit their designs, unless they build more than 5.

http://www.atlasce.com/FCC_part15.htm

http://www.atlasce.com/subpart_c.htm#Section%2015.233
http://www.atlasce.com/subpart_c.htm#Section%2015.235

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

251. Re: [49MHz] Curious

Yahoo group: 49megahertz
Date: 2003-08-07 04:18:44 UTC
From: Pete Crapia
Topic: 239 Message: 251

I just seen that. After questioning the telephone thing I went back to look at the Part 15 rules and found section 15.233

After reading it I noticed that there was no "requirement" that the phones be connected to the telephone line while operated. They just require specific frequency pairs and such. So I believe it is safe to say that if we want to use those other frequencies for communications/experiments then we just have to use a certified phone. I thought it was interesting so I posted it in the Files section.

The only issue I see at this point is that some phones have an automatic channel changing feature. However, some (or most?) have a button you can push for changing freqs which still falls under the FCC rules. So as long as an experimenter uses a phone that has a manual frequency finding feature and not an automatic one then it will be very easy to carry on with any operations. As far as "modifying" the phones to do it manually, I think that pretty much violates the rules for our uses.

Pete

--- In 49megahertz@yahoogroups.com, "John H. Guetherman" <jhguetherman@y...> wrote:
> --- In 49megahertz@yahoogroups.com, "Pete Crapia" <pcrapia@b...> wrote:
> > Hmmm. I wonder if they would ever update it...
> >
> > They say this doesn't include telephones so what would the phones
> > fall under? What are the requirements that manufacturers have to
> > follow? Do they get more power or less? More gain or less? So many
> > questions and not a single Radio Shack to answer them :)
> >
> > Oh well, I'll be back later with more to say after work.
> >
> > Pete
> >
>
> Cordless phones operate under section 15.233 of the rules, which is
> the section just before the 49 MHz radios at 15.235.
>
> The manufacturers have the same power input and field strength
> limitations that home-builders do, however they must submit their
> designs for certification to the FCC prior to marketing. Home-
> builders don't have to submit their designs, unless they build more

> than 5.
>
> http://www.atlasce.com/FCC_part15.htm
>
> http://www.atlasce.com/subpart_c.htm#Section%2015.233
> http://www.atlasce.com/subpart_c.htm#Section%2015.235
>
> John H. Guetherman
> KB7MIB/WPXJ598
> Peoria, AZ.

252. Yagi

Yahoo group: 49megahertz
Date: 2003-08-07 04:40:18 UTC
From: Pete Crapia
Topic: 252 Message: 252

I will be using the upcoming winter months to try and accomplish the PC based software controlled TRC-512 but once next summer comes around I plan on making a Yagi for receive uses only. My plan is to use an FCC approved antenna for transmitting but use a vertical beam on a rotor for receive. I think this will help a lot with getting some range out of my experiments. Does anyone else plan on creating a beam, or has already done so? Maybe we can point them at each other and adjust the angle of radiation for "skip" tests.

I know the beam will be very big but I have the room for it so I said "why not...." And I may be able to get it up about 30-40 feet in the air. If I go nuts I may be able to get it 50-70 feet but then I'll have an issue with adjusting the angle. As far as the transmitter, I would use one that I can mount directly at the antenna on the roof in a weather protective box. From there I can control it using a hard wired connection and feed audio to it through the same connection. Doing this will ensure the strongest legal signal.

Just spilling some of the thoughts I'd had lately..... (but I have more of course :)

Pete

253. Re: [49MHz] Curious

Yahoo group: 49megahertz
Date: 2003-08-07 04:47:21 UTC
From: Fbs1050@aol.com
Topic: 239 Message: 253

>After reading it I noticed that there was no "requirement" that the
>phones be connected to the telephone line while operated.
Very sneaky, yet very legal! I like this idea! :-) Since telephones (usually)
make better hobbyist radios than walkie-talkies, I think I'll suggest
telephones as the club's suggested radio.

I'll also upload the frequency list with the extended frequencies and label
them "For use with certified telephone equipment only."

>The only issue I see at this point is that some phones have an
>automatic channel changing feature. However, some (or most?) have a
>button you can push for changing freqs which still falls under the
>FCC rules.
I also noticed that. If you look in the Database section, you'll see my
attempt at creating a database of telephone channel number / frequency pairs.
Needless to say, it didn't work very well, but I plan for this to be an important
part of the new club website.

73,

Michael 49H3MA
List Administrator
President, 49MHz ERC

254. Rotor

Yahoo group: 49megahertz
Date: 2003-08-07 04:52:57 UTC
From: Pete Crapia
Topic: 254 Message: 254

By the way, if anyone is interested in getting a cheap rotor Radio Shack has a discontinued one going for $5. The stock number is 15-1225. I got two of them a few months ago so I'm not sure if it was eliminated from the "list" as they call it. So if you have your local Radio Shack do a search and they come up with nothing with that number in existence then you'll just have to ask if they have one hidden in the back room. The manager might be the best person to ask because they know the best as to where they hide things in their stock room. But most likely it was moved to the sales floor.

They also have 100 foot rolls of rotor wire for $1 but I can't remember the stock number off hand.

Remember, you can have items sent from another Radio Shack to another nationwide. If it's a corporate owned store then you don't have to pay for shipping (I love that part).

Pete

255. 49 MHz intercom

Yahoo group: 49megahertz
Date: 2003-08-07 05:11:33 UTC
From: Pete Crapia
Topic: 255 Message: 255

I recently purchased an intercom system from Radio Shack that not only includes a basic carrier-current intercom system but it also has a 49 MHz remote link for a doorbell/intercom.

The model number is 43-3101 and is currently priced at $20. However, I wouldn't think of using this thing for long range use as I had to modify the internal antenna on the remote unit. The internal stock antenna gave me about 25 feet!! Now I can get about 100 with a three foot piece of wire which gets hidden in the wall that it is mounted on.

I figured since it was 49 MHz equipment then I may as well report on it. I also posted a generic photo of the unit in the Photos section.

Pete

256. 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-08-14 14:31:53 UTC
From: Adam Ebel
Topic: 256 Message: 256

Hello, This Tuesday, I was testing the old 49MHz rig out, the problem is that there is a Baby Monitor on 49.860 somewhere, the signal is moderately strong, I tried NFM on the Pro 2035, and found it, but quiet sounding , then I tried AM, then still picked up the hash noise modulation from the transmitter.

I live in the 23462 area in Virginia Beach, and I think we need to pay attention to these not-so-private broadcasters since every scanner can hear them, also cause they are like door that closes the opening to 49 MHz Channel C DX window to other 49 MHz communicators in the area. I usually leave it on AM mode for to monitor 49.860 for the ones to get through hopefully but you need a strong signal on your rig for this one in Margate Avenue in Va. Beach.

Is there a directional antenna for this?

Also I have not heard much fun and kids, and family usage cause of the FRS 14 channel craze for $20.00. The only thing that wasn't interesting is the Remote Control RFI from those Radio Shack toys, thats a jammer too you know, those need to be on 27.145 and 72 MHz.

I think Baby Monitors need to be on 900 MHz Digital like the cordless phones in a couple of years from now, also 2.4 GHz will be better for some residental areas that are prone to interference. Agree about this? electronicdx

257. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-08-14 22:18:33 UTC
From: Fbs1050@aol.com
Topic: 257 Message: 257

> Hello, This Tuesday, I was testing the old 49MHz rig out, the
>problem is that there is a Baby Monitor on 49.860 somewhere, the
>signal is moderately strong, I tried NFM on the Pro 2035, and found
>it, but quiet sounding , then I tried AM, then still picked up the
>hash noise modulation from the transmitter.

Ugh, I used to have the same problem here at my ham shack. There's a baby monitor about a block away that interfered with operations on 49.8600MHz. I'd also occasionally hear unclear broadcasts of the Disney Channel. I never did figure out if that was a cable RFI leak or a baby monitor on top of a TV that was almost constantly on. I reported it to the cable company anyway with my regular (at that time) cable line leak RFI reports.

> I live in the 23462 area in Virginia Beach, and I think we need to
>pay attention to these not-so-private broadcasters since every
>scanner can hear them, also cause they are like door that closes the
>opening to 49 MHz Channel C DX window to other 49 MHz communicators
>in the area.

I agree, but they *are* the "intended users" of the band. So really, I guess we would be interfering with them, not vice versa. Actually, Part 15 users are all created equal, but in the view of any non-hobbyist, we're the weirdos on the baby monitor frequencies, and they're the legit users. The FCC thinking that we're all crazy would be a bad thing. :-)

>Is there a directional antenna for this?

I thought that a list member was working on a directional 49MHz antenna awhile back, but IIRC plans were never posted.

>Also I have not heard much fun and kids, and family usage cause of
>the FRS 14 channel craze for $20.00.

Try listening on Christmas morning. You'll hear activity. :sionally hear kids.

>I think Baby Monitors need to be on 900 MHz Digital like the
>cordless phones in a couple of years from now, also 2.4 GHz will be
>better for some residental areas that are prone to interference.

Hmmm... interesting idea. 900MHz is getting cheaper and cheaper to manufacture for, and 49MHz is becoming obsolete for phones and baby monitors. Well, phones anyway. :-)

Thanks for your input! Anyone else have any opinions? (Opinions are a good thing, they bring traffic to the list.) :-)

73 de Michael 49H3MA
President, 49MHz Experimental Radio Club

258. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-08-15 22:32:44 UTC
From: John H. Guetherman
Topic: 257 Message: 258

--- In 49megahertz@yahoogroups.com, Fbs1050@a... wrote:
> >I think Baby Monitors need to be on 900 MHz Digital like the cordless phones in a couple of years from now, also 2.4 GHz will be better for some residental areas that are prone to interference.
>
> Hmmm... interesting idea. 900MHz is getting cheaper and cheaper to manufacture for, and 49MHz is becoming obsolete for phones and baby monitors. Well, phones anyway. :-)
>
> Thanks for your input! Anyone else have any opinions? (Opinions are a good thing, they bring traffic to the list.) :-)
>
> 73 de Michael 49H3MA
> President, 49MHz Experimental Radio Club

Fisher Price had a 900 MHz Spread Spectrum baby monitor not too long ago if I recall correctly. (Much better for privacy, but most folks don't realize how un-private monitors are.) But they do exist. Most people though will probably buy the cheapest monitor available. Which of course will be on 49 MHz.

There used to be up to 3 monitors within range, 2 in my immediate neighborhood and 1 more just out of range I could hear if I walked up the road a little bit, just a few years ago. Now there's none. Kids grew up, or families moved away maybe? Anyway there's not many around here on the few occasions when I've gone driving around scanning the channels. (Hmmm. I'm on vacation, and have nothing better to do. May be time for another drive-about.)

Anyway, just my 'opinion' on the subject.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

259. 49 MHz in Canada

Yahoo group: 49megahertz
Date: 2003-08-18 18:39:30 UTC
From: John H. Guetherman
Topic: 259 Message: 259

Is there anyone here who knows for a *fact* whether or not our 49 MHz radios are legally useable in Canada?

I know I could bring my Ham, CB, and FRS stuff if I ever get to visit any of my friends up there. And I know that the MURS and GMRS are not legal. But I have no clue about 49 MHz.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

260. Is the Members Only SIte Up? Q1 and Q2.

Yahoo group: 49megahertz
Date: 2003-08-20 13:39:15 UTC
From: Adam Ebel
Topic: 260 Message: 260

Hello, thanks for replying to my post eariler. I have something else to ask, I don't know what my password is, or if I got it right or did the site go down. Let me know whats up thanks, also. I used my radio last night and no one was there, I DO need a dipole or something outside big time to receive some mile coverage, the main antenna I am using is a discone, and its located in the hot attic over the bedroom. I was using the radio at 10:35 to 11:10 PM EST. I think the RG-8 cable went on the PRO-2035. Q: Whats the best cable for 49 MHz DX or reception? Q2: Is the R-75 the highly recommended radio for 49 MHz since it goes up to 60 MHz? electronicdx 49 MHz User. 49N4AE

261. Re: 49 MHz in Canada

Yahoo group: 49megahertz
Date: 2003-08-20 13:44:10 UTC
From: Adam Ebel
Topic: 259 Message: 261

--- In 49megahertz@yahoogroups.com, "John H. Guetherman"
<jhguetherman@y...> wrote:

> Is there anyone here who knows for a *fact* whether or not our 49
MHz
> radios are legally useable in Canada?
>
> I know I could bring my Ham, CB, and FRS stuff if I ever get to
visit
> any of my friends up there. And I know that the MURS and GMRS are
not
> legal. But I have no clue about 49 MHz.
>
> John H. Guetherman
> KB7MIB/WPXJ598
> Peoria, AZ.

Be Sure To Check out the allocations and the Rules for the
http://www.crtc.gc.ca/eng/welcome.htm for the rules
that should help you out. 73 49N4AE electronicdx

262. Re: 49 MHz in Canada

Yahoo group: 49megahertz
Date: 2003-08-21 06:29:13 UTC
From: John H. Guetherman
Topic: 259 Message: 262

--- In 49megahertz@yahoogroups.com, "Adam Ebel" <electronicdx@y...>
wrote:
> Be Sure To Check out the allocations and the Rules for the
> http://www.crtc.gc.ca/eng/welcome.htm for the rules
> that should help you out. 73 49N4AE electronicdx

I searched. Got nothing.

Also searched Industry Canada, but there's no results there either.

John

263. Re: 49 MHz in Canada

Yahoo group: 49megahertz
Date: 2003-08-22 19:59:29 UTC
From: Adam Ebel
Topic: 259 Message: 263

--- In 49megahertz@yahoogroups.com, "John H. Guetherman"
<jhguetherman@y...> wrote:
> --- In 49megahertz@yahoogroups.com, "Adam Ebel"
<electronicdx@y...>
> wrote:
> > Be Sure To Check out the allocations and the Rules for the
> > http://www.crtc.gc.ca/eng/welcome.htm for the rules
> > that should help you out. 73 49N4AE electronicdx
>

>
> Also searched Industry Canada, but there's no results there either.
>
> John

Sorry, Canadian sites are very hard to find when comes to things
like that. Later on I have to get back online and see where I
left off at. I tried to get the best possible information for
49 MHz. Google is a worn out search engine, most 49 MHz
communications searches are only revolved around the Baby Monitors
and Cordless Phones, and toy junk walkie talkies they used to sell.

John, I will do my best to help you, but even help you more I
would encourage to meet me on messager to communicate directly.
Thanks for the results I will next time do my best electronicdx

John, You have a great weekend meet me on messager soon. 73

264. Your Site Is Down for the 49er site

Yahoo group: 49megahertz
Date: 2003-08-26 13:59:38 UTC
From: Adam Ebel
Topic: 264 Message: 264

I noticed that your site is down, and I could not even update my profile to add equipment. I am also searching through google and can not find your site. This link is bad, and needs a tune up. Thanks.

Best Regards, electronicdx

http://www.qsl.net/49mhz

265. Re: [49MHz] Your Site Is Down for the 49er site

Yahoo group: 49megahertz
Date: 2003-08-26 15:52:03 UTC
From: Fbs1050@aol.com
Topic: 265 Message: 265

It looks like the qsl.net server is down.

And I certainly agree that it needs a tuneup, I don't like frames at all. :-)

Right now I'm working on a new site, it will probably be hosted on another
free host instead of QSL.net so that I can do CGI & PHP for the new site.

73,

Michael
49H3MA
President, 49MHz ERC

266. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2003-09-01 10:09:47 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 266

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

267. Re: Curious

Yahoo group: 49megahertz
Date: 2003-09-01 14:26:44 UTC
From: John H. Guetherman
Topic: 239 Message: 267

--- In 49megahertz@yahoogroups.com, "John H. Guetherman"
<jhguetherman@y...> wrote:
> (3) The antenna shall be a single element, one meter or less in
> length, permanently mounted on the enclosure containing the device.
>

Hmmm, I wonder if one could home-brew a radio with seperate transmit
and recieve antennas, transmit being one meter long, permanently
mounted on the enclosure, with the recieve being a dipole connected
via coax. Utilize a T/R switch to switch between them? Just wondering.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

268. Re: [49MHz] File - Admin1.txt

Yahoo group: 49megahertz
Date: 2003-09-01 17:41:20 UTC
From: tack188@aol.com
Topic: 235 Message: 268

Quick question on dipole antennas, if each wire on a text book dipole was a full wave length long, like 6 meters in our case, would it preform better than a 1/4 wave or a 1/2 wave length setup (in theory)? And does anyone know of any web sites that have do it yourself yagi antenna instructions? I think the quad is more realistic for my situation materials+patience. If i knew what parts this guy was using Id make my own 49 mhz antennas like he does for MURS and GMRS, they look alot like rad shack parts, his site is http://centerfireantenna.com/ The mount looks like the radio shack "gutter mount" with a pl 259-like female mount or chasis mount? (is that the so-239 in ham speak?) and then some sort of basic wire whip antenna that screws into the pl 259 chasis mount wich he can trim easily using the wavlength 1/4 wave formulas?

269. Re: [49MHz] Re: Curious

Yahoo group: 49megahertz
Date: 2003-09-01 19:08:23 UTC
From: KD7JYK
Topic: 269 Message: 269

Of course! If you really wany to hear what's going on out there use a beam, pre-am and filter for RX. In this case the FCC is concerned with intentional radiators, not how well you can hear.

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Grounds
----- Original Message -----
From: John H. Guetherman <jhguetherman@...>
To: <49megahertz@yahoogroups.com>
Sent: Monday, September 01, 2003 07:26
Subject: [49MHz] Re: Curious

> --- In 49megahertz@yahoogroups.com, "John H. Guetherman"
> <jhguetherman@y...> wrote:
> > (3) The antenna shall be a single element, one meter or less in
> > length, permanently mounted on the enclosure containing the device.
> >
>
> Hmmm, I wonder if one could home-brew a radio with seperate transmit
> and recieve antennas, transmit being one meter long, permanently
> mounted on the enclosure, with the recieve being a dipole connected
> via coax. Utilize a T/R switch to switch between them? Just wondering.
>
> John H. Guetherman
> KB7MIB/WPXJ598
> Peoria, AZ.
>
>
>
> To unsubscribe from this group, send an email to:
> 49megahertz-unsubscribe@yahoogroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

270. Re: Curious

Yahoo group: 49megahertz
Date: 2003-09-02 13:13:53 UTC
From: Pete Crapia
Topic: 239 Message: 270

This is sort of what I plan on doing.

Pete

--- In 49megahertz@yahoogroups.com, "John H. Guetherman"
> Hmmm, I wonder if one could home-brew a radio with seperate
transmit
> and recieve antennas, transmit being one meter long, permanently
> mounted on the enclosure, with the recieve being a dipole connected
> via coax. Utilize a T/R switch to switch between them? Just
wondering.
>
> John H. Guetherman
> KB7MIB/WPXJ598
> Peoria, AZ.

271. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-02 13:50:54 UTC
From: Fbs1050@aol.com
Topic: 257 Message: 271

Alan asked me to forward this on to the group. I guess he's having some
trouble with Yahoo right now... Isn't everybody? :-)

73 de Michael 49H3MA
President, 49MHz ERC

---------- Forwarded message ----------
Date: Wed, 27 Aug 2003 08:56:44 -0700 (PDT)
From: Community Radio <ascr@...>
To: 49megahertz@yahoogroups.com
Subject: Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

> > >I think Baby Monitors need to be on 900 MHz Digital like the
> cordless phones in a couple of years from now, also 2.4 GHz will be
> better for some residental areas that are prone to interference.
> >
> > Hmmm... interesting idea. 900MHz is getting cheaper and cheaper to
> manufacture for, and 49MHz is becoming obsolete for phones and baby
> monitors. Well, phones anyway. :-)
>
> Fisher Price had a 900 MHz Spread Spectrum baby monitor not too long
> ago if I recall correctly. (Much better for privacy, but most folks
> don't realize how un-private monitors are.) But they do exist. Most
> people though will probably buy the cheapest monitor available. Which
> of course will be on 49 MHz.

My suggestion would be to DF the BM (that's Baby Monitor ;),
and once locating it, make acquaintance with the owners,
spend the $$ to get a nice 900 Mc replacement for them
and present it as a gift, after being VERY diplomatic
in explaining that the one they have is antiquated and
you'd be willing to swap them a BRAND NEW ONE for their
dinosaur - as you have a project that you could use the
old one for. (that's the TRUTH, right ?)

After all, who wouldn't trade their 'ol broke busted' for
a 'new hodness' technology gadget. Make 'em an offer they
can't refuse - add a little 'sweet' to the deal with maybe
TWO 900 Mc units (so they have one to carry with them when
they go to a friends house with the baby) or maybe a couple
FRS cheapie HTs to keep track of the older kids or hubby
when he's working out in the garage or yard...
-=-
A person would have to be OUT of their mind to NOT
take the deal :) But you need to figure what they
can make use of ahead of time - hence the acquaint'.

Then the choice is YOURS... Either convert the swapped unit over for YOUR use, or trashcan it. If you're going to do the latter, I suggest that you make it Non-Op before you place it in the trash, or some dumpster-diver in the area may likely get their hands on it and you're right back to square-one.

If YOU don't have a use for it, you can always donate it to the group here... I'd like to have one to experiment with! :)

The RC toy is going to be a little tougher! But then THEY are usually intermittant occurance, and not 24/7 like a BM. I wouldn't imagine you want to be going out to buy fodder for THAT kind of trade... $$$$ But maybe you can convince them to switch to another channel, or offer to recrystal the unit for them (or pay to have it done), in order to move the p15 user off 49.86mc... IIRC many of those RC sets use plug in crystals and can be changed without much trouble.

As for a directive array (antenna), get yourself a copy of one of the MANY yagi design programs (I use YagiMax v3 on an old 386 laptop), and design yourself a yagi for the EXACT freq you want to operate on. I was going to do this, by designing such an array and since the fed element is a slightly shortened "dipole", I was going to place the xmtr in a sealed weatherproof box and integrate it into the fab-rication of the array right AT the driven element, but so far time and the ability of transport around to scrounge the materials for the project haven't presented themselves. So, it remains on the warmer... :-/ Too many projects!

A 1/4 wave radiator for 49.86 is around 57 inches long. Add an 'image' (ground) radiator to this to make a standard dipole, place a passive reflector behind it (apx 5% longer than the driven dipole), and a passive director (or two, apx 3-5% shorter) in front of the driven dipole, and you have a 4-element Yagi with probably about 8 dBi forward gain, and if designed (and tuned) JUST right - maybe 12-15 dBi F/B ratio.

The data from the design program is basically a place to start, you'll still need to do some 'real-world' tuning and trimming.

The transmitter (/receiver) in da'box need only be connected to the 'actual' radiator (one half of the dipole), and in that way I believe conforms to the regs for radiating element length. You WILL need to design a matching circuit (gamma match, etc) that will make the final RF amp on the transmitter happy with what it sees as an antenna, in order to get the best transfer of energy to your dipole (driven element). We *ALL* want That!

I believe the rules don't specify that the power source (battery or PS) and the audio transducers (mic and spkr), and keying (PTT) HAVE to be at the remote location - just the RF curcuits. (please correct me if I'm in error on this)

Even IF the power supply HAS to be, one could manufacture an
enclosure that could hold a good number of "C" cells and
might only have to lower the array to replace those once
or twice a year (think solar!), esp if there is a 'power switch'
located remotly so the power could be disconnected during periods
of non-use. (be sure to SEAL the compartment containing the
batteries, and circuitry SEPERATELY so there is little chance
of a leaking cell (after all those YEARS of being up there...)
damaging your transmitter/receiver board)

73 fm Alan / 49C6GT [CM88]
Greentree Ground Station

272. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-03 01:18:59 UTC
From: KD7JYK
Topic: 257 Message: 272

You will have problems with pagers, toys, radios, baby monitors, phones, sprinkler systems, TV and stereo assessories... The list goes on and on. You have about 30 years of junk building up on 49 MHz, once that became full they went to 900, now the same problem there, and it's happening to 2.4 GHz, 5.8 is slowly filling up too.

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Grounds
----- Original Message -----
From: <Fbs1050@...>
To: <49megahertz@yahoogroups.com>
Sent: Tuesday, September 02, 2003 06:50
Subject: Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

> Alan asked me to forward this on to the group. I guess he's having some
> trouble with Yahoo right now... Isn't everybody? :-)
>
> 73 de Michael 49H3MA
> President, 49MHz ERC
>
> ---------- Forwarded message ----------
> Date: Wed, 27 Aug 2003 08:56:44 -0700 (PDT)
> From: Community Radio <ascr@...>
> To: 49megahertz@yahoogroups.com
> Subject: Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars
>
> > > >I think Baby Monitors need to be on 900 MHz Digital like the
> > cordless phones in a couple of years from now, also 2.4 GHz will be
> > better for some residental areas that are prone to interference.
> > >
> > > Hmmm... interesting idea. 900MHz is getting cheaper and cheaper to
> > manufacture for, and 49MHz is becoming obsolete for phones and baby
> > monitors. Well, phones anyway. :-)
> >
> > Fisher Price had a 900 MHz Spread Spectrum baby monitor not too long
> > ago if I recall correctly. (Much better for privacy, but most folks
> > don't realize how un-private monitors are.) But they do exist. Most
> > people though will probably buy the cheapest monitor available. Which
> > of course will be on 49 MHz.
>
> My suggestion would be to DF the BM (that's Baby Monitor ;),
> and once locating it, make acquaintance with the owners,
> spend the $$ to get a nice 900 Mc replacement for them

> and present it as a gift, after being VERY diplomatic
> in explaining that the one they have is antiquated and
> you'd be willing to swap them a BRAND NEW ONE for their
> dinosaur - as you have a project that you could use the
> old one for. (that's the TRUTH, right ?)
>
> After all, who wouldn't trade their 'ol broke busted' for
> a 'new hodness' technology gadget. Make 'em an offer they
> can't refuse - add a little 'sweet' to the deal with maybe
> TWO 900 Mc units (so they have one to carry with them when
> they go to a friends house with the baby) or maybe a couple
> FRS cheapie HTs to keep track of the older kids or hubby
> when he's working out in the garage or yard...
> -=-
> A person would have to be OUT of their mind to NOT
> take the deal :) But you need to figure what they
> can make use of ahead of time - hence the acquaint'.
>
> Then the choice is YOURS... Either convert the swapped unit
> over for YOUR use, or trashcan it. If you're going to do the
> latter, I suggest that you make it Non-Op before you place it
> in the trash, or some dumpster-diver in the area may likely
> get their hands on it and you're right back to square-one.
>
> If YOU don't have a use for it, you can always donate it to
> the group here... I'd like to have one to experiment with! :)
>
> The RC toy is going to be a little tougher! But then THEY
> are usually intermittant occurance, and not 24/7 like a BM.
> I wouldn't imagine you want to be going out to buy fodder
> for THAT kind of trade... $$$$ But maybe you can convince
> them to switch to another channel, or offer to recrystal the
> unit for them (or pay to have it done), in order to move the
> p15 user off 49.86mc... IIRC many of those RC sets use plug
> in crystals and can be changed without much trouble.
>
> As for a directive array (antenna), get yourself a copy of
> one of the MANY yagi design programs (I use YagiMax v3 on
> an old 386 laptop), and design yourself a yagi for the
> EXACT freq you want to operate on. I was going to do this,
> by designing such an array and since the fed element is a
> slightly shortened "dipole", I was going to place the xmtr
> in a sealed weatherproof box and integrate it into the fab-
> rication of the array right AT the driven element, but so
> far time and the ability of transport around to scrounge
> the materials for the project haven't presented themselves.
> So, it remains on the warmer... :-/ Too many projects!
>
> A 1/4 wave radiator for 49.86 is around 57 inches long.
> Add an 'image' (ground) radiator to this to make a standard

> dipole, place a passive reflector behind it (apx 5% longer
> than the driven dipole), and a passive director (or two, apx
> 3-5% shorter) in front of the driven dipole, and you have a
> 4-element Yagi with probably about 8 dBi forward gain, and if
> designed (and tuned) JUST right - maybe 12-15 dBi F/B ratio.
>
> The data from the design program is basically a place to start,
> you'll still need to do some 'real-world' tuning and trimming.
>
> The transmitter (/receiver) in da'box need only be connected
> to the 'actual' radiator (one half of the dipole), and in that
> way I believe conforms to the regs for radiating element length.
> You WILL need to design a matching circuit (gamma match, etc)
> that will make the final RF amp on the transmitter happy with
> what it sees as an antenna, in order to get the best transfer
> of energy to your dipole (driven element). We *ALL* want That!
>
> I believe the rules don't specify that the power source
> (battery or PS) and the audio transducers (mic and spkr),
> and keying (PTT) HAVE to be at the remote location - just
> the RF curcuits. (please correct me if I'm in error on this)
> Even IF the power supply HAS to be, one could manufacture an
> enclosure that could hold a good number of "C" cells and
> might only have to lower the array to replace those once
> or twice a year (think solar!), esp if there is a 'power switch'
> located remotly so the power could be disconnected during periods
> of non-use. (be sure to SEAL the compartment containing the
> batteries, and circuitry SEPERATELY so there is little chance
> of a leaking cell (after all those YEARS of being up there...)
> damaging your transmitter/receiver board)
>
> 73 fm Alan / 49C6GT [CM88]
> Greentree Ground Station
>
>
> To unsubscribe from this group, send an email to:
> 49megahertz-unsubscribe@yahoogroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

273. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-03 09:16:10 UTC
From: John H. Guetherman
Topic: 257 Message: 273

The transmitting antenna can be no longer than 1 meter, which is 39.3701 inches, and it must be permanently attached to the enclosure, meaning no coax, twin-lead, or other transmission line between the case and the antenna. That prohibits any type of directional antenna such as a dipole, yagi, quad, etc. Therefore you're limited to a fixed-length or telescopic vertical on the radio case.

The power input at the battery terminals or other power source can be no more than 100 milliwatts. We probably lose a few milliwatts in the circuitry due to wire resistance, running LED/LCD's if they're used, etc.

There is nothing in the rules however regarding remotely mounting the RF deck with the antenna up high and bringing the controls down to you, and I don't think they'd care how long a recieving antenna was, or what kind you used. The rules seem to apply only to transmitting antennas, not recieving. And that's probably were we should concentrate on increasing our range capabilities. We don't want to run afoul of the FCC, especially if we have any license's to lose.

I'm thinking of two possible directions. First, use one transciever with two seperate antennas and a T/R switch, one for transmitting which meets the 1 meter/permanent attachment limitations, and a second recieving antenna which could be any type of gain antenna mounted as high as possible.

Or two, use a second communications reciever or a scanner, and a gain antenna altogether seperate from the transmitter itself.

Experiment, but stay within the rules.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

> ---------- Forwarded message ----------
> Date: Wed, 27 Aug 2003 08:56:44 -0700 (PDT)
> From: Community Radio <ascr@s...>
> To: 49megahertz@yahoogroups.com
> Subject: Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars
>
> As for a directive array (antenna), get yourself a copy of
> one of the MANY yagi design programs (I use YagiMax v3 on
> an old 386 laptop), and design yourself a yagi for the
> EXACT freq you want to operate on. I was going to do this,
> by designing such an array and since the fed element is a
> slightly shortened "dipole", I was going to place the xmtr

> in a sealed weatherproof box and integrate it into the fab-
> rication of the array right AT the driven element, but so
> far time and the ability of transport around to scrounge
> the materials for the project haven't presented themselves.
> So, it remains on the warmer... :-/ Too many projects!
>
> A 1/4 wave radiator for 49.86 is around 57 inches long.
> Add an 'image' (ground) radiator to this to make a standard
> dipole, place a passive reflector behind it (apx 5% longer
> than the driven dipole), and a passive director (or two, apx
> 3-5% shorter) in front of the driven dipole, and you have a
> 4-element Yagi with probably about 8 dBi forward gain, and if
> designed (and tuned) JUST right - maybe 12-15 dBi F/B ratio.
>
> The data from the design program is basically a place to start,
> you'll still need to do some 'real-world' tuning and trimming.
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> The transmitter (/receiver) in da'box need only be connected
> to the 'actual' radiator (one half of the dipole), and in that
> way I believe conforms to the regs for radiating element length.
> You WILL need to design a matching circuit (gamma match, etc)
> that will make the final RF amp on the transmitter happy with
> what it sees as an antenna, in order to get the best transfer
> of energy to your dipole (driven element). We *ALL* want That!
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> I believe the rules don't specify that the power source
> (battery or PS) and the audio transducers (mic and spkr),
> and keying (PTT) HAVE to be at the remote location - just
> the RF curcuits. (please correct me if I'm in error on this)
> Even IF the power supply HAS to be, one could manufacture an
> enclosure that could hold a good number of "C" cells and
> might only have to lower the array to replace those once
> or twice a year (think solar!), esp if there is a 'power switch'
> located remotly so the power could be disconnected during periods
> of non-use. (be sure to SEAL the compartment containing the
> batteries, and circuitry SEPERATELY so there is little chance
> of a leaking cell (after all those YEARS of being up there...)
> damaging your transmitter/receiver board)
>
> 73 fm Alan / 49C6GT [CM88]
> Greentree Ground Station

274. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-03 20:01:28 UTC
From: meridian3891@cs.com
Topic: 257 Message: 274

I am surprised 2.4 GHz was ever authorized, since your microwave oven operates at 2.45 GHz.

Tony

275. Re: Yagi

Yahoo group: 49megahertz
Date: 2003-09-03 23:49:54 UTC
From: tackleberry_nj
Topic: 252 Message: 275

Im working on the same thing. Id like to get a yagi working too for 49, Ive got a dipole right here that I can use but horizontal polarization isnt what I want, and to polarize it verticaly I lose directionality right?

Anyhow Id also like to know to build a 49 mhz yagi, I guess I can always take the dipole, raise it verticaly, and have a 5% larger pole grounded behind it, and that would act as a reflector, and a 5% smaller piece of wire in front of it and it would probably improce reception in one directon, and cut out signals from the side.

Im not very good with these computer design programs, I did find a simple one that works for quads, I built a 4 loop quad antenna to recieve FM Stereo signals from NY, wich I am about 40 miles away from and sitting above the 2nd largest iron deposite in NJ, needless to say the iron mountains destroy reception, and the quad worked great, untill the powers that be decided that it took up too much space, but IT WORKED! That was quite a thrill, maybee Ill just build a Quad, although it will be rather large this is qhat my "QUADS" says:

""
For a 3 EL. QUAD at 49.8 MHz the LOOPS are:

REFLECTOR: 20.68 FT. (248.1 IN.) PER SIDE: 62.04 INCHES
DRIVEN ELEMENT: 20.18 FT. (242.1 IN.) PER SIDE: 60.54 INCHES
1ST DIRECTOR: 19.58 FT. (234.9 IN.) PER SIDE: 58.74 INCHES

ELEMENT SPACING: 3.03 FT. (36.3 INCHES)
BOOM LENGTH: 6.35 FT. (76.2 INCHES)

THEORETICAL GAIN: 11.4 DBi

NOTE - The Antenna Is Influenced By Height Above Ground And Surrounding Objects, So Some Adjustment Will Be Necessary To Obtain A Low VSWR.

1 - Restart Program.
2 - Recalculate with New Number of Elements.
3 - Send Output to Printer.
4 - Exit Program.

Please Enter Your Choice (1 - 4) ?""

So that alota wire, I might do it with ladder coax since the stuff is simple to work with.

My next project is to build a half rhombic antenna with a resistor to make that directional, I wonder if a 500mw trc-512 can push enough

signal to make that work? Well its off to futz with the dipole, im gona experiment with a full wave length, 1/2 wave, and 1/4 wavelength wires.

276. new member

Yahoo group: 49megahertz
Date: 2003-09-04 16:42:15 UTC
From: Michael Tyler
Topic: 276 Message: 276

Hi to all,thanks for letting me join the group. I am an extra class amateur, gmrs kae5765 with several repeaters on the air that I built myself,a 10 Meter QRP Beacon, lowfer,medfer,and a Hifer beacons sending "WV". I have a GRLO license , and I am A+,I-Net +,N+, N.A.B.E.R. certified technician,I am a private pilot,and a certified Scuba Diver. I teach Electronics and A+ Computer Repair to High School Students and the local College. I am very interested in Part 15 devices and would like to place a 49mhz beacon at one of my tower sites here in West Virginia.I have a 10 meter repeater , a 6 meter repeater, 3 440 mhz repeaters all linked together full time. My Amateur call is WA8YWO. Thanks and look forward to being a part of the group....mike

277. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-04 22:33:27 UTC
From: Pete Crapia
Topic: 257 Message: 277

I'll be using the transmitter mounted on the roof directly at the antenna which is controlled remotely. From there I haven't decided what I want to do for receive.

Possibly this...

Transmitter attached to a legal size antenna with a switch to a Yagi on receive.

Or if I get, or design, a better receiver I'll be transmitting off the smaller antenna and hooking the Yagi to a preamp and then to a receiver which is also attached to the antenna for the best possible sensitivity.

I'll post some photos and details once I get it all up in the air.

Pete

--- In 49megahertz@yahoogroups.com, "John H. Guetherman" <jhguetherman@y...> wrote:
> The transmitting antenna can be no longer than 1 meter, which is
> 39.3701 inches, and it must be permanently attached to the enclosure,
> meaning no coax, twin-lead, or other transmission line between the
> case and the antenna. That prohibits any type of directional antenna
> such as a dipole, yagi, quad, etc. Therefore you're limited to a
> fixed-length or telescopic vertical on the radio case.
>
> The power input at the battery terminals or other power source can be
> no more than 100 milliwatts. We probably lose a few milliwatts in the
> circuitry due to wire resistance, running LED/LCD's if they're used,
> etc.
>
> There is nothing in the rules however regarding remotely mounting the
> RF deck with the antenna up high and bringing the controls down to
> you, and I don't think they'd care how long a recieving antenna was,
> or what kind you used. The rules seem to apply only to transmitting
> antennas, not recieving. And that's probably were we should
> concentrate on increasing our range capabilities. We don't want to
> run afoul of the FCC, especially if we have any license's to lose.

>
> I'm thinking of two possible directions. First, use one transciever
> with two seperate antennas and a T/R switch, one for transmitting
> which meets the 1 meter/permanent attachment limitations, and a
> second recieving antenna which could be any type of gain antenna
> mounted as high as possible.
>
> Or two, use a second communications reciever or a scanner, and a
gain
> antenna altogether seperate from the transmitter itself.
>
> Experiment, but stay within the rules.
>
> John H. Guetherman
> KB7MIB/WPXJ598
> Peoria, AZ.

278. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-05 00:27:09 UTC
From: John H. Guetherman
Topic: 257 Message: 278

--- In 49megahertz@yahoogroups.com, meridian3891@c... wrote:
> I am surprised 2.4 GHz was ever authorized, since your microwave oven operates at 2.45 GHz.
>
> Tony

True, but for health safety reasons, all of that energy is supposed to be completely contained within the oven itself. It wouldn't do any good for cooking food for any of the RF to escape the oven, and at those wattages it wouldn't do you any good either! There are handheld detectors available for folks to check the seals, etc., to make sure they remain intact and don't leak that energy outside of the oven.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

279. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-16 05:08:25 UTC
From: Steven Coles
Topic: 257 Message: 279

All,

I'm hearing music (non-descript piano) on 49.830 on a Radio Shack 21-403 bicycle walkie talkie.

There seems to be noise in the background. Maybe a baby monitor near a CD player? Yeap. A couple talking. Must be a baby monitor. These people have more or less bugged themselves.

Considering none of the apartments in this complex are over 950 square feet, the need for a baby monitor is hard to imagine.

Should I put an anonymous note in the apartment's mail room letting people know baby monitors make them part of the local entertainment?

Steven

280. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-16 13:07:28 UTC
From: Fbs1050@aol.com
Topic: 257 Message: 280

>Should I put an anonymous note in the apartment's mail room letting
>people know baby monitors make them part of the local entertainment?

IMHO, that might be a good idea, just make sure that the note reads more like "I am a radio monitor and came across the signal of your baby monitor. I just wanted to let you know for privacy reasons that your monitor can be heard just about anywhere in town." instead of what would basically be a "get off my frequency" message that would probably be ignored.

73 de Michael 49H3MA
President, 49MHz ERC

281. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-16 15:27:55 UTC
From: tack188@aol.com
Topic: 257 Message: 281

That brought something to mind, do you have a nieghborhood watch program? You could bring a scanner to the meeting and let people listen to their own baby moniters, and tell them how it works and what they should do.

You could even start your own nieghborhood watch, or even easyer, get some nieghbors that your friends with and pass out those nieghborhood watch flyers, and print out a pamphlet "As a radio hobyist/professional Id like to warn you that baby moniters work like this ....." and "if you want to know more go to this web site, or e-mail, call or stop by my house. During my radio hobby activities I have heard interference from many local baby moniters, did you know that they can be heard for XX distance away from the transmitter?" And "plese remember that the same thing goes for cordless phones, it is very easy for someone to moniter cordless phones and get your credit card info, or other personal information, always use a corded phone for such information"

You could hand the flyers out to ppl as they drive down your road, or mail them out to everyone on the street, or something along those lines. Just an idea.

I did something like that when I had a problem with my cb being heard over nieghbors phones, and cd players, and one day I showed them how i could listen to my own 49 mhz phone, and they brought theirs over and same result. I explained how 900 mhz phones are a little harder for scanners to listen to, and how to always use a corded phone for sensitive info. I even belched over a 49 mhz radio once thinking my buddy was on the other line, turned out it was them on a phone, they yelled at each other for being rude. Naturaly I told my buddy to switch channels and we vacated the freq, but when I told them how it worked, word spread fast around the nieghborhood. Everyone has 900 mhz phones, and some of them have that basic scrambling or digital whatever it is and now theres only two 49 mhz baby moniters within range (about 10 miles) and the other 50 so ppl on my street understand the security value of corded phones. Its easy for me to over hear them by accident, my FD is on 45 mhz, police is 39 mhz, military air helo ops are on 41 mhz, and i like to fart around with 49 mhz stuff ocasionaly, so Ive noticed a lot of decline on 49 mhz since I explained it at the party 4-5 years ago.

282. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-16 15:48:48 UTC
From: Community Radio
Topic: 257 Message: 282

Hi Group,

I think what the poster of this message meant
is that the sign might go something like:

```
====================================
-=- BABY MONITOR NOTICE -=-
====================================
This is to inform the uninformed that
MANY older (and some newer) wireless
Baby Monitors can be listened to on
an ordinary radio scanner...

Baby Monitors are NOT secure, no
matter what the package or manual
says and when using one you are
effectivly BUGGING your own house.

By the way, the piano is nice.
But there MAY be some conversations
that you do NOT want all of us to hear.

signed: a concerned radio enthusiast
====================================
```

At least that's the way I'd word it ;)

73 2 all,
49C6GT - Alan

On Tue, 16 Sep 2003 Fbs1050@... wrote:

> >Should I put an anonymous note in the apartment's mail room letting
> >people know baby monitors make them part of the local entertainment?
>
> IMHO, that might be a good idea, just make sure that the note reads more like
> "I am a radio monitor and came across the signal of your baby monitor. I just
> wanted to let you know for privacy reasons that your monitor can be heard
> just about anywhere in town." instead of what would basically be a "get off my
> frequency" message that would probably be ignored.

283. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-16 18:50:18 UTC
From: Fbs1050@aol.com
Topic: 257 Message: 283

I wrote up a small flier with the club logo and some text on cordless phones and baby monitors, as well as some safety tips for using phones and baby monitors. Bottom line: turn them off when you're not using 'em. :-)

I'll upload it as soon as I can get to the computer that the PDF is on.

73 de Michael 49H3MA
President, 49MHz ERC

284. 900 Harder to hear?

Yahoo group: 49megahertz
Date: 2003-09-16 21:37:54 UTC
From: KD7JYK
Topic: 284 Message: 284

Not harder to hear, but it does take three to four seconds longer to find due the the "band" being nearly twice as big. The range a clarity are much better too!

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Grounds

285. Re: [49MHz] 900 Harder to hear?

Yahoo group: 49megahertz
Date: 2003-09-16 22:12:58 UTC
From: tack188@aol.com
Topic: 285 Message: 285

What I meant was that many people have scanners without 900 mhz coverage, some 900 phones are digital, and most have some sort of feature that skips from channel to channel, cutting it off untill you can find the channel again. Your right about that, but with 900 mhz every nieghborhood kid with a walki talki isnt able to over hear them. If the baby moniter had vox it would probably be a little more secure, reason being that If a perp wants to case a house before he burglarizes it, he may turn the scanner on for the hell of it, and not hear anything. If a regular baby moniter is on 24-7 he will defenitely hear something, nothing on the airwaves is secure for that matter.

Better Idea:
Sit on the deck with a sprinfield M1-A or a AR-15 and load high capacity magazines while waving to passer by's, and leave your baby moniters and cordless phones on all day. Thats what I call security lol.

286. Re: [49MHz] 900 Harder to hear?

Yahoo group: 49megahertz
Date: 2003-09-17 00:32:54 UTC
From: KD7JYK
Topic: 285 Message: 286

Now we're getting somewhere!!!! .223 or 30-06 has ten times the range of 49 MHz!!

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Grounds
----- Original Message -----

Better Idea:
Sit on the deck with a sprinfield M1-A or a AR-15 and load high capacity magazines while waving to passer by's, and leave your baby moniters and cordless phones on all day. Thats what I call security lol.

287. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-17 02:17:00 UTC
From: Steven Coles
Topic: 257 Message: 287

Community Radio,

That's very close to what I had in mind. Plus a reminder that turning the receiver off does not end the transmission. You'd be surprised (or maybe not) how many non-technical ppl think of a transmitter receiver pair as something like a double-ended halway light.

We have a little community newspaper covering 2 or 3 burbs here. I mihgt just send them an expanded verion of the notice.

By the way, a crummy TV program has replaced the piano music.

Steven

> ====================================
> -=- BABY MONITOR NOTICE -=-
> ====================================
> This is to inform the uninformed that
> MANY older (and some newer) wireless
> Baby Monitors can be listened to on
> an ordinary radio scanner...
>
> Baby Monitors are NOT secure, no
> matter what the package or manual
> says and when using one you are
> effectivly BUGGING your own house.
>
> By the way, the piano is nice.
> But there MAY be some conversations
> that you do NOT want all of us to hear.
>
> signed: a concerned radio enthusiast
> ====================================
>

288. 'Bout Me

Yahoo group: 49megahertz
Date: 2003-09-17 02:54:51 UTC
From: Steven Coles
Topic: 288 Message: 288

Hi All,

I've loved walkie talkies since the 1950s. My ex-wife was into using our Radio Shack 21-403s for biking. (We're still on good terms and some of her friends use FRS during bird-watching field trips.) I also picked up an RS-21-409 and a Sky-Com SC-1686 at yard sales. Since high-school I haven't met anybody interested in unlicensed 2-way as a hobby. Therefore, I haven't purchased a respectable transceiver.

I enjoy scratch or kit building transmitters, but haven't tried to designing anything fancy. Haven't gotten far enough into your FAQs to find favored sources of 49 MHz crystals and preferred RF transistors.

The apartment managers don't even like 18" satellite dishes. Imagine how they'd respond to a 6.1 meter, 5 element receiving yagi! (Had a good 3-element 6 meter beam in my ham days. Wish I'd kept my receiver-would be good for 49 MHz.)

I've worked as an engineering technician in electronic instruments with a bit of RF (non-communications). Had an FCC 1st phone with radar which I let expire just before they were made permanent. Now have a GROL.

You've inspired to think about this a bit more. Could make a beeper to modulate one of my sets and see how far I can hear it on the other sets.

By the way, a trail curves around the north end of Lake Washington here. So portable 2-way sets on the trail often have an unobstructed shot at each other.

Steven

289. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-17 09:16:45 UTC
From: John H. Guetherman
Topic: 257 Message: 289

Some folks may react negatively to the notice. You can't predict human behavior. If you want to do it without giving away your identity, make sure no one knows that you're a scanner listener/radio enthusiast at all.

For example, I couldn't do it here without being forthcoming about my identity. (I hear one monitor on occasion, not 24/7.) Neighbors have seen me with my handheld scanner and/or ham radio HT. There's also another neighbor with what looks like a CB antenna at his home, I wouldn't want him to catch a bunch of flak if anyone decided their privacy had been violated and called the police or hired a lawyer or something.

Don't get me wrong, it's a good idea to educate your neighbors. But one or two may have a fit about it. You never know. Just be aware of it, so you don't get blindsided by their negative reaction. Which of course may also never come at all.

Another point, is that although it is illegal, and now a felony, to monitor cordless phones, it's next to impossible to catch anyone untill they use the information for their own purposes. (Identity theft, for example.) And it's not illegal, although most would consider it unethical and/or immoral to listen in on a baby monitor. Those points could be made in the notice.

Good luck.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
wrote:
> Community Radio,
>
> That's very close to what I had in mind. Plus a reminder that
> turning the receiver off does not end the transmission. You'd be
> surprised (or maybe not) how many non-technical ppl think of a
> transmitter receiver pair as something like a double-ended halway
> light.
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> We have a little community newspaper covering 2 or 3 burbs here. I
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> By the way, a crummy TV program has replaced the piano music.
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> Steven
>
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> > -=- BABY MONITOR NOTICE -=-
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> > This is to inform the uninformed that
> > MANY older (and some newer) wireless
> > Baby Monitors can be listened to on
> > an ordinary radio scanner...
> >
> > Baby Monitors are NOT secure, no
> > matter what the package or manual
> > says and when using one you are
> > effectivly BUGGING your own house.
> >
> > By the way, the piano is nice.
> > But there MAY be some conversations
> > that you do NOT want all of us to hear.
> >
> > signed: a concerned radio enthusiast
> > ====================================
> >

290. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-17 13:21:31 UTC
From: Steven Coles
Topic: 257 Message: 290

John,

Good points certainly. I'd expect some negative reaction. People would rather shoot the messenger than admit they made a foolish purchase. My plan was to point to the high likelihood (in this apartment complex at least) of being overheard by children with toy handhelds. But identity theft is another good point.

Was thinking of sending a letter to the community newspaper. If they print it, that puts a (false) sense of authority behind it. Of course that would identify me. But ppl most likely would vent to in a letter to the editor. My phone is unlisted, and, therefore, my address harder to find.

By the way. I've never heard anything on 4 of the channels on my RS-21-403s. So I don't need 49.830 where the monitor is. I just want to make sure ppl understand they're on the air.

Happened to wake up this morning at 4:30. The baby monitor was on with soft music playing.

Steven

--- In 49megahertz@yahoogroups.com, "John H. Guetherman" <jhguetherman@y...> wrote:
> Some folks may react negatively to the notice. You can't predict
> human behavior. If you want to do it without giving away your
> identity, make sure no one knows that you're a scanner listener/radio
> enthusiast at all.
>
> For example, I couldn't do it here without being forthcoming about my
> identity. (I hear one monitor on occasion, not 24/7.) Neighbors have
> seen me with my handheld scanner and/or ham radio HT. There's also
> another neighbor with what looks like a CB antenna at his home, I
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> privacy had been violated and called the police or hired a lawyer or
> something.
>
> Don't get me wrong, it's a good idea to educate your neighbors. But
> one or two may have a fit about it. You never know. Just be aware of

> it, so you don't get blindsided by their negative reaction. Which
of
> course may also never come at all.
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> Another point, is that although it is illegal, and now a felony,
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> monitor cordless phones, it's next to impossible to catch anyone
> untill they use the information for their own purposes. (Identity
> theft, for example.) And it's not illegal, although most would
> consider it unethical and/or immoral to listen in on a baby
monitor.
> Those points could be made in the notice.
>
> Good luck.
>
> John H. Guetherman
> KB7MIB/WPXJ598
> Peoria, AZ.
>
> --- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
> wrote:
> > Community Radio,
> >

291. Listen and Enjoy!

Yahoo group: 49megahertz
Date: 2003-09-18 05:14:36 UTC
From: Robert
Topic: 291 Message: 291

Take a trip away from your home location, and listen for clear channels. Do not let anyone know you can hear them, or you will become the bad guy. And, if a local news reporter get hold of this during a slow news day -- watch out. They will obtain quotes from various government officials illustrating your monitoring as why scanners should become banned to protect the public.

Try using data modes like PSK31 into a 49MHz FM transmitter, or even Morse Code. Even if other people block four out of the five 49 MHz center frequencies, you can pack a lot of narrow data signals into the space of one voice FM mode channel.
Work in pairs or groups if you are experimenting with new modes.
Besides mountaintopping -- climbing to high spots for a better line of sight, try using buildings and hills to block interfering signals.

If you use horizontal polarity, you can reduce interference from baby monitors from 3 to 30 dB.

Combine the above -- go mobile to a hilltop, use a horizontal loop antenna one meter in diameter, use 100mW to the final in CW Morse Code or narrowband data modes, and work in pairs, or a group. And, use a gain antenna on receive with a seperate receiver.

Stay "in the seat". Monitor the pest baby monitors, and see if the other people at times turn it off. Call up your 49 MHz friends, and let them know.

73
AQD Robert

292. Link for LWCA

Yahoo group: 49megahertz
Date: 2003-09-18 05:40:55 UTC
From: Robert
Topic: 292 Message: 292

For some ideas on how to make our little 49 MHz signals "get out" further, I would suggest the Longwave Club of America and their information on Part 15 operations, per FCC rules. Check out my link, <www.lwca.org>

Even though the Longwave Club of America specializes in the unusual propagation below 500 kHz, they have notes from many experimenters who use weak signal digital processing to pull out unbelievably weak signals from the ether. The 160 kHz experimental band works best, naturally, during the winter, so the longwave hobbyists apply the same data modes and antenna secrets to higher unlicensed Part 15 frequencies.

From 160-190 kHz, per FCC rules, you can run one watt to the final amp, any modulation mode except spark gap, restricted to a 40 foot tall antenna -- usually a vertical. On SSB, you can cover a town. On CW, you can be heard up to about 400 miles distant on a good night. Using digital signal processing, and phase-shift data modes, or super slow CW -- with "dits" a minute long, and "dahs" three times longer -- your signal might be copied thousands of miles distant!

During the summer months, the longwave ops take a trip up to the range 13.553 to 13.567 MHz, shared with arc welders, medical heating equipment, and who knows what else -- and restricted to 1.8 milliwatts to a dipole! With super slow CW, an operator in Sweden sent his signal all the way to the central USA.

And, I have a couple of nice postcards from MEDFER operators -- those who use data modes in the standard AM broadcast band. There, you can run 100 mW to the final, and use only a 10 foot tall vertical. With AM and tone modulated Morse, I put up a beacon, "Six Echo" on 1630 kHz way back in December 1989. Al, WD6ETH, and I were heard over 120 miles away the one night we had it on the air. The transmitter smoked, and we went on to other experiments.

I also got postcards for receiving MEDFER experimenters from three locations in southern California. Then, in the early 1990's, they put their transmitters up in the 1610-1700 kHz range -- then completely dead except for some mysterious navigation beacons here and there. Now, every 10 kHz, we are blocked off by commercial AM broadcasters. That was fun while it lasted.

Now, MEDFERS try the 510-530 kHz range, home to some airport navigation beacons, and maritime weather data broadcasts. Lots of static, here, and the ten foot antenna becomes even less efficient than even at 1700 kHz. Still, with those new data modes, you can

still "get out" with care.

Try "MEDFER", "LOWFER" and "FCC Part 15" on search engines to locate even more links. Maybe data modes might be the way to go on 49 MHz?

73
AQD Robert
<www.azrepeaters.net>

293. Re: Listen and Enjoy!

Yahoo group: 49megahertz
Date: 2003-09-18 14:40:36 UTC
From: Steven Coles
Topic: 291 Message: 293

Robert,

You wrote, "Do not let anyone know you can hear them, or you will become the bad guy. And, if a local news reporter get hold of this during a slow news day -- watch out."

Your situation must be a bit different from here. Kids playing with toy 2-ways find out they here other kids with toy 2-ways. Bikers on the nearby trail hear other bike 2-ways when they pass. Never heard of anybody thinking anything of it.

Besides, most 49 MHz equipment I see looks like FRS, CB walkie talkies, kids walkie talkies, ham handhelds, or belt-worn cell phones. Nobody looks twice.

The local gov't reps would say something like, "Part 15 is authorized by the Federal Communications Commission. If it goes, all your household wireless gizmos go with it."

Thanks for the longwave link. Looks interesting. (Looks like I'll find out how many foms of communications can I be involved in and still have time for work.)

Steven

294. Walkie-Talkie Handbook

Yahoo group: 49megahertz
Date: 2003-09-20 03:00:12 UTC
From: Steven Coles
Topic: 294 Message: 294

All,

Picked up a copy of Sands, Leo G, Walkie-Talkie Handbook, Sams, 1967. It does not cover 49 MHz sets as far as I've looked so far. However, the early 49 MHz equipment must have evolved from some of the sets having schematics in this book. The Part-15 chapter contains schematics for representative walkie-talkies containing 3 to 13 transistors. I assume most operated on 27 MHz.

The Book gives the FM walkie-talkie bands as:
25-50 MHz
72-76 MHz
150-174 MHz
450-470 MHz
Couldn't have been very many unplanned contacts.

The book also contains a brief description of a cordless phone with a half mile range in the 27 MHz band. Great security! Appears to have no dial, so couldn't initiate calls.

Steven

295. Added 49 MHz experimenter W4DEX link...

Yahoo group: 49megahertz
Date: 2003-09-21 05:50:36 UTC
From: Robert
Topic: 295 Message: 295

Nice photographs and details of his many experiments with QRP level weak-signal radio beacons from longwave through 49 MHz.

296. Music on 49 MHz

Yahoo group: 49megahertz
Date: 2003-09-24 17:21:18 UTC
From: Adam Ebel
Topic: 296 Message: 296

Hello, Can you play music and other stuff like a musical keyboard, FM radio, or TV sound on 49 MHz? I think some people do it with just placing the walkie talkie next to a boom box CD player, or add jacks to a modified 49 MHz transmitter. The main carrier is AM on 49.860 MHz. Most kids get bored with their rig so they probably do this. Is it illegal?

How does this work, and how is the audio quality for 49 MHz on AM? Let me know Thanks 49 MHz Experimenter Adam Ebel

297. Re: [49MHz] Music on 49 MHz

Yahoo group: 49megahertz
Date: 2003-09-24 20:17:02 UTC
From: meridian3891@cs.com
Topic: 297 Message: 297

Hey Adam!

To answer your question in short: NO, it is not illegal. This is something many people do; taking a baby monitor transmitter, modifying it for line in level (to plug a CD player, shortwave receiver, scanner, etc. into) & use the monitor with headphones while cutting the grass, working outside, around the house, etc. is quite commonplace in our little demented hobby world. It is also perfectly legitimate.

Having done this myself, I found it worked well. Especially if I put the transmitter upstairs, I could hear it down the street (5 or 6 houses away).

That's what Part 15 is all about.

Tony

298. Re: Music on 49 MHz

Yahoo group: 49megahertz
Date: 2003-09-24 21:23:42 UTC
From: Jerome
Topic: 296 Message: 298

I actually have a set of wireless speakers that use 49 MHz. It is a cheap system that I bought from Electronic Goldmine. I bought one standard set (one transmitter, two speakers), and then got four extra speakers. The left and right channels are sent on different frequencies (49.845 and 49.875 MHz), and each speaker has a switch on it so it can receive either channel. The audio quality OK, but not great, and certainly not as good as a 900 MHz wide-band version or wired speakers. The transmitter is pretty good, but the receivers could use some work. They operate fine with four 'C' cells, but when you connect a wall-wart to the external power jack there is a slight but noticable 60 Hz hum. If I ever have time I plan to crack 'em open and see if I can add some filtering to eliminate that problem.

--- In 49megahertz@yahoogroups.com, "Adam Ebel" <electronicdx@y...> wrote:
>
> Hello, Can you play music and other stuff like a musical
> keyboard, FM radio, or TV sound on 49 MHz? I think some people do it
> with just placing the walkie talkie next to a boom box CD player, or
> add jacks to a modified 49 MHz transmitter. The main carrier is AM
> on 49.860 MHz. Most kids get bored with their rig so they
> probably do this. Is it illegal?
>
> How does this work, and how is the audio quality for 49 MHz on
> AM? Let me know Thanks 49 MHz Experimenter Adam Ebel

299. Re: [49MHz] Music on 49 MHz

Yahoo group: 49megahertz
Date: 2003-09-24 21:28:16 UTC
From: Adam Ebel
Topic: 297 Message: 299

Tony, Thanks for letting me know, I will tell some stories
and tips about this. I have a sports walkie talkie transmitter,
and instead of connecting a crummy condenser mike, I modified it
for to work with a 600 ohm microphone, and I never sounded so
good before, and my modulation is great and confortable to hear
through the headphones on the Pro 95, I am ready for anything spoken-
word like to talk to others. I can also connect a radio, like a
walkman to this 1/4 jack with adapter and listen to my favorite rock
station on my scanner set on AM mode. However the range is pretty
good and reasonable up to 75 feet which I perfer. I also use a
small wire antenna that is 5 feet, thats it. Its a fun little
project. I will show it on the site, how about that. Adam Ebel
49N4AE

--- In 49megahertz@yahoogroups.com, meridian3891@c... wrote:
> Hey Adam!
>
> To answer your question in short: NO, it is not illegal.
This is
> something many people do; taking a baby monitor transmitter,
modifying it for line
> in level (to plug a CD player, shortwave receiver, scanner, etc.
into) & use
> the monitor with headphones while cutting the grass, working
outside, around the
> house, etc. is quite commonplace in our little demented hobby
world. It is
> also perfectly legitimate.
>
> Having done this myself, I found it worked well. Especially if I
put the
> transmitter upstairs, I could hear it down the street (5 or 6
houses away).
>
> That's what Part 15 is all about.
>
>
> Tony

300. Re: [49MHz] 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-09-25 04:32:51 UTC
From: John H. Guetherman
Topic: 257 Message: 300

My across the street neighbor has had their monitor on for several days straight again. It had disappeared for awhile. They use 49.845.

I also found a new one today on 49.870. Yep, 5 kHz down from the 'normal' 49.875. (Channelization isn't mandated by the FCC though. You can use any frequency between 49.820 and 49.900 as long as the signal is contained within those limits.) I don't know who it belongs to yet though. It usually takes awhile for me to figure out where the monitor is located, as I don't scan the band or listen regularly.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

301. I am looking around for 49 MHz 2 way communicators and rigs

Yahoo group: 49megahertz
Date: 2003-09-26 16:47:18 UTC
From: Adam Ebel
Topic: 301 Message: 301

Hi, I called some toy stores in my local area, and they said they discontinued the 49 MHz walkie talkies, and other stuff except the 49 MHz remote control cars. The lady offered the 2 mile 14 channel deals.

A long time ago I called radio shack and said " Do you have any 49 MHz 2 way radios. I remember they had a lot of them back in the day, and now its FRS times 100. Amazon is filled with them also.

Can you give me some places and sources to try out. I looked on E-bay and just found FRS rigs. Thanks.

Adam Ebel electronicdx
Virginia Beach VA.

302. Re: I am looking around for 49 MHz 2 way communicators and rigs

Yahoo group: 49megahertz
Date: 2003-09-26 20:55:36 UTC
From: Jerome
Topic: 301 Message: 302

Try National Electronics: http://www.national-electronics.com/

Click on "2-way radios" on the left, then there's a link for Maxon's
49 MHz radios. It looks like these days they only have one model
with one of two frequencies available.

I've never done business with nor do I have any affiliation with
National Electronics, but I've heard good comments about them from
others.

-Jerome

--- In 49megahertz@yahoogroups.com, "Adam Ebel" <larryebel@e...>
wrote:
>
>...
>
> Can you give me some places and sources to try out. I looked on
> E-bay and just found FRS rigs. Thanks.
>
> Adam Ebel electronicdx
> Virginia Beach VA.

303. Re: [49MHz] I am looking around for 49 MHz 2 way communicators and rigs

Yahoo group: 49megahertz
Date: 2003-09-27 02:17:07 UTC
From: KD7JYK
Topic: 303 Message: 303

Currently, all childrens walkie talkies on the market are 49 MHz. Take your pick.

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Grounds

304. Out Of Africa Wildlife Park uses 49 MHz

Yahoo group: 49megahertz
Date: 2003-09-27 03:03:39 UTC
From: Robert
Topic: 304 Message: 304

Dean Harrison, owner and zoologist at Out of Africa Wildlife Park can credit 49 MHz comms for saving his life on a daily basis. He and his family care for big cats, wolves, bears, and other large carnivores -- some who live in the same habitat. Harrison and staff believe in close contact with their animal friends, and 49 MHz wireless mikes keep all in close contact in case anything goes wrong. Once, Harrison tripped, and one of his 600 pound lions decided to use Harrison as a matress. The other staff saw him underneath the lion after he called out on his wireless mike. They coaxed the lion away with some meat, and Harrison suffered only minor injuries.

Check all of the regular 49 MHz channels, as all five frequencies activate various receivers and intercoms in the park. Bring a tape recorder with VOX and a patch cord, and record Dean Harrison's comments during his many daily shows.
<www.outofafrica.com>

305. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2003-10-01 08:48:39 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 305

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

306. Community Microbroadcasting on 49 MHz?

Yahoo group: 49megahertz
Date: 2003-10-01 13:00:43 UTC
From: Robert
Topic: 306 Message: 306

I've read the controversy about low-power FM broadcasting, as the National Association of Broadcasters members do not want any competition from small family-run, church-run, or other small stations. But, if we consider that we have five 100mW channels here already, and 26 megahertz to play with from 902-928 MHz, that's a good place to put a microbroadcaster.

Depending on local interference, just run the programming at different times on each of the five channels, so that anyone with a public safety scanner can listen in.

73
<www.azrepeaters.net>
Robert

307. Re: [49MHz] Community Microbroadcasting on 49 MHz?

Yahoo group: 49megahertz
Date: 2003-10-01 14:37:14 UTC
From: Community Radio
Topic: 306 Message: 307

Hold on there Robert... Woah!!

I sincerely hope (and pray) that there is NOT a resurgence
in the use of 902-928 Mc for this kind of operation...
I just scored a 375w PA for that band and am working on
making a 35w exciter mine as well... Although I'm in an
area where I'll probably have no trouble (neighbor getting
on 33cm with rap or CW), some in the metro areas may not
be so fortunate, and even a 100mw station in the same block
might make it difficult to hear EME signals, which in turn
would reduce the number of station that those of us in the
clear can communicate with. Of course I suppose one could
always point the parabola in the general direction of the
offending LP station and overload the front end with a KW,
but that's getting pretty close to the old CB mentality :(

Unless I'm mistaken, 33cm used to be an Amateur Only band,
until the powers that be started placing other services there.
Perhaps it was MilAir first - I don't recall, but I doubt
that PRS was there first...

And please.. No "play"ing on 33cm <grin>

Just my nickles worth.

73 - Bruce

> <www.azrepeaters.net>

PS: I'm a little suprized to see this at the bottom of
your post... Don't you guys have a number of fine 33cm
Amateur repeaters over there in AZ ? I think I've seen
your posts on the AR902 list recently... It would be
horrible if someone next door put up a MBC transnmitter
on the input of one of your repeaters... ! :(
I suppose you could solve that with a PL or DPL, but
what if it was next door to one of your Amateur users ?!
And on the output freq ?! Can you say "capture" ???
I know there have been comments (complaints) on the
afore-mentioned list regarding PRS interference.
The 900 meg Cordless's are bad enough...!

308. Re: Community Microbroadcasting on 49 MHz?

Yahoo group: 49megahertz
Date: 2003-10-03 03:24:32 UTC
From: Steven Coles
Topic: 306 Message: 308

Robert,

Whether the NAB likes it or not LPFM stations are getting on the air. See the Yahoo LPFM group

http://groups.yahoo.com/group/LPFM/

Five years from now NAB stations will be selecting new employees by talents they showed in their LPFM internships. There'll probably even be an LPFM division within the NAB. LPFM also helps the NAB by plugging spectrum holes pirates used to operate in. Fifteen years from now Society for Broadcast Engineers (SBE) lunches will have many reminiscing about their LPFM days. They'll wonder how the industry ever did without LPFM.

Steven

309. 49 MHz at Old Country Buffet, Metro Center, Phoenix, AZ

Yahoo group: 49megahertz
Date: 2003-10-04 05:13:41 UTC
From: Robert
Topic: 309 Message: 309

Found another commercial user besides "Out of Africa". The Old
Country Buffet uses 49 MHz Maxon radios for seating guests during
busy weekends and holidays.

Any local business users in your area that still use 49 MHz?

73
Robert
<http://www.azrepeaters.net>

310. Re: 49.860 is jammed by Baby Monitor and Toy cars

Yahoo group: 49megahertz
Date: 2003-10-05 02:59:05 UTC
From: Steven Coles
Topic: 256 Message: 310

All,

OK. I'm a believer. Tonight just sitting here in my apartment I'm up against QRM on 49.830, 49.875, & 49.890 MHz. They all sound like baby monitors. I'm about to cry right along with the kids.

Guess I've got to settle for 49.860 MHz or move to 50-54 MHz. I'm getting 90+ on the practice exams. Too bad hams & Part 15 experimenters aren't allowed to communicate.

Tonight I'd like to put 1,500 watts PEP on the lowest allowed 6-meter frequency. I'm much more likely to operate in the 0.5 to 10 watt range.

Steven

311. Hour of Silence on 49 MHz

Yahoo group: 49megahertz
Date: 2003-10-12 15:43:43 UTC
From: Steven Coles
Topic: 311 Message: 311

All,

4:55AM: Alarm clock beeps once. Silence. Then beeps once more before falling silent again. It wasn't set. I rolled over to find the LED display not even lit. The power had gone off, on, off, on, then stayed off. During the brief on periods my clock was informing me it had lost its settings.

Looking out the window the apartment walkway lights were also off. I put my hand on the flashlight know exactly where I had put it for just such an occasion. Then I searched for 10 min for the battery radio I thought I'd also put in easy reach. I finally found a different one. (I'd been about to salvage parts out of it.) All major stations were on the air and not reporting a blackout.

OK. Picked up my walkie talkie. Silence on 49 MHz--all 3 local baby monitors off the air. I'd been vaguely hoping someone would be using 49 MHz for blackout communications. Have to go walk if I want to see how much of the neighborhood was dark.

Only a few blocks. Stopped at a store with power still on for an espresso. Just as I returned at 6 AM the power came on. Just then I finally remembered the battery-powered beacon I had. Darned! I'd missed a perfect chance to check it's range.

Steven

312. I'm new to this group.

Yahoo group: 49megahertz
Date: 2003-10-25 13:29:13 UTC
From: filingerid
Topic: 312 Message: 312

Hello,
I just got a TRC-509 and I like to play arround with circuts and
stuff expecially radios. So, Can someone help me with the lingo and
stuff here?

Thanks,
Joseph F.

313. Re: [49MHz] I'm new to this group.

Yahoo group: 49megahertz
Date: 2003-10-25 15:37:58 UTC
From: KD7JYK
Topic: 313 Message: 313

What do you need to know?

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Ground

----- Original Message -----
From: filingerid <filingeri@...>

So, Can someone help me with the lingo and
stuff here?

314. Re: [49MHz] I'm new to this group.

Yahoo group: 49megahertz
Date: 2003-10-25 17:14:26 UTC
From: filingerid
Topic: 313 Message: 314

Nothing really, I just want to know about my radio and what I can do with it. I never get anyone on it and no baby monitors are arround here so 49.830 MHz is clear. Really I'm just looking for mods for this TRC-509 but i'm a newbie so I can't do anything that hard.

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@r...> wrote:
> What do you need to know?
>
> Kurt
>
> ---
> Ross Technologies Signals Intelligence Division
> Rosetta Proving Ground
>
> ----- Original Message -----
> From: filingerid <filingeri@m...>
>
> So, Can someone help me with the lingo and
> stuff here?

315. Re: [49MHz] I'm new to this group.

Yahoo group: 49megahertz
Date: 2003-10-25 21:22:52 UTC
From: KD7JYK
Topic: 313 Message: 315

Off the top of my head... You can change crystals with a 49 MHz Xtal from any other piece of equipment and change the frequency. With a small rotary switch and several crystals you can make a channel selector.

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Ground
----- Original Message -----
From: filingerid <filingeri@...>
To: <49megahertz@yahoogroups.com>
Sent: Saturday, October 25, 2003 10:14
Subject: Re: [49MHz] I'm new to this group.

> Nothing really, I just want to know about my radio and what I can do
> with it. I never get anyone on it and no baby monitors are arround
> here so 49.830 MHz is clear. Really I'm just looking for mods for
> this TRC-509 but i'm a newbie so I can't do anything that hard.
>
> --- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@r...> wrote:
> > What do you need to know?
> >
> > Kurt
> >
> > ---
> > Ross Technologies Signals Intelligence Division
> > Rosetta Proving Ground
> >
> > ----- Original Message -----
> > From: filingerid <filingeri@m...>
> >
> > So, Can someone help me with the lingo and
> > stuff here?
>
>
>
> To unsubscribe from this group, send an email to:
> 49megahertz-unsubscribe@yahoogroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

>

316. Re: [49MHz] I'm new to this group.

Yahoo group: 49megahertz
Date: 2003-10-27 03:33:40 UTC
From: Steven Coles
Topic: 313 Message: 316

Another thing you can do is get a 49 MHz baby monitor from a second hand shop ($2 to $5 around here). You can use the baby room end as a beacon (just set it next to a radio) and find out how far you can hear it. If it's not on 49.830, you'll get another useful crystal. Lots of 49 MHz baby monitors have crystals for 2 frequencies.

If the monitor's antenna's short, you can put a near legal length antenna on it and see whether you can hear it farther. Around here a second hand store 49 MHz cordless phone costs about the same as a new telescoping antenna. I buy the phones for the antennas. Looking at it that way, I get the handset (microphone and earphone) for free. Usually, there's other goodies in the phone, too.

As you'll see from the files section here, 49 MHz phones and portable transceivers don't share the same channels. Turning a handset into a second transceiver is beyond me. But if you get a baby monitor on 49.830, you could put a DPDT switch on it (so that only the baby/transmitter station or parent/receive station is on at any time) and use it as a base station.

Also, there's no legal limit on receive only antennas. Putting an efficient antenna on a baby monitor lets you monitor continuously and catch any 49.830 (or whatever the monitor's on) transceiver activity in your area. If it's a 2-channel job, you could add a 555 timer and have it switch channels every couple seconds.

Steven

317. Re: [49MHz] I'm new to this group.

Yahoo group: 49megahertz
Date: 2003-10-27 03:43:40 UTC
From: KD7JYK
Topic: 313 Message: 317

Here is an idea...

Use two telephone handsets, one has 49.860 TX, 49.830 RX, the other 49.830 TX and 49.860 RX! Full duplex walkie talkies!! Wish I thought of that 15 years ago! That'd be ore fun that riding my bike around town with a handset and calling my friends when I heard a dial tone!

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Ground

318. Part 15 and the ARRL

Yahoo group: 49megahertz
Date: 2003-11-02 15:08:17 UTC
From: Steven Coles
Topic: 318 Message: 318

All,

Considering that Part-15 home broadcasters and Walkie-talkies stimulated many amateur radio operators original enthusiasm, I was surprised to find the ARRL's rather negative comments at

http://www.arrl.org/tis/info/part15.html

Naturally, interference to the amateur radio service concerns the ARRL. However, the ARRL mentions only the rapidly disappearing 900 MHz cordless telephones as common Part 15 occupants of amateur radio bands. Weighing the few cases of interference from Part 15 against the benefits speaks favorably for Part 15. The benefits include:

I. Stimulating enthusiasm for radio communications
A. Many individuals initially discover the radio hobby through home broadcasters and Walkie-talkies.
B. Part 15 enables hams to provide a taste of radio communications to potential amateur radio operators.

II. Providing a large selection of inexpensive 49 MHz products easily converted for 6 meter QRP.
A. Hams convert devices for QRP operation.
B. A number of popular ham products (including Heathkit's old "Benton Harbor Lunch Box") draw heavily on technology developed for other radio services.

I'm about to join the ARRL. Once in I plan to call their attention to the benefits of sharing the spectrum with Part 15.

Steven

319. Useing 49 mhzs as a short wave transmittter

Yahoo group: 49megahertz
Date: 2003-11-02 17:26:02 UTC
From: wHY DO YOU NEED TO KNOW?.
Topic: 319 Message: 319

Hello.
Im 23 years old and i love radio communcation.I have been thinking about useing a 49 mh radio for short range communcation.Like useing it for car to car communcation and so on.I have a number of radios that i can use to communcate>But why not use 49 mhzs radios to communcate.Thease radios are cheaper and you cna buy them at any toy store.So im going to do a little projected with them.This projected is going to include.How fare i can talk with the radio and how meny contacts i can make with the radio.Im going to keep you all up dated on my findeings peace.

320. Re: Useing 49 mhzs as a short wave transmittter

Yahoo group: 49megahertz
Date: 2003-11-03 03:07:42 UTC
From: Steven Coles
Topic: 319 Message: 320

Hackersden2000,

Mobile 49 MHz transceivers definitely have a place. I believe FCC rules and regulations Part-15 requires the transmitter to be mounted directly at the antenna base. Can't think of a better place than a truck, car, or bicycle to comply with this rule.

If you have a car you can punch an antenna mounting hole in, great. If not, consider an antenna mount held in place by a rolled up window.

My ex-wife's bird watching bunch sometimes uses FRS for car-caravan communications. 49-Mhz would provide a low-budget alternative. She got a window clamp for her "spotting" telescope. The mounting made the scope hard to move from one window to another. Birders like to share telescopes (but she doesn't share her clarinet reed), so the mounting got tossed. If she still had it, I'd get it for temporary mobile use.

However you do it, I'm looking forward to hearing your results.

Steven

321. baby monitors, cordless phones, etc.

Yahoo group: 49megahertz
Date: 2003-11-04 00:50:29 UTC
From: Jason Mangiafico
Topic: 321 Message: 321

I can pick those things up for a good half mile with just a radio shack 5 channel walkie-talkie, and wrapping some wire around the antenna to extend its length.

Though,49mhz had it's possibilities, but you can't go into a populated area with 49mhz radios without getting a receiver full of baby monitors. Though it does make it incredibly easy to listen into people's houses though.

Well anyway, I got a set of Maxon PC-50 five channel walkie talkies from ebay for $5 and $6 shipping, and I plan to use them in an area away from baby monitors and coldless phones. They should work out wonderfully.

322. Babyphone Traps Would-Be Robber

Yahoo group: 49megahertz
Date: 2003-11-04 08:45:44 UTC
From: John H. Guetherman
Topic: 322 Message: 322

Don't know about the frequency coverage of the baby monitor in question, but thought it was an interesting story.

Nov 3, 10:14 am ET

BERLIN (Reuters) - A woman in Germany was surprised when the intercom system she was using to monitor her sleeping baby picked up a radio conversation in which a luckless would-be thief described his bungled robbery of a nearby bar.

"Instead of hearing her baby's wails, the mother got the 46-year-old's confession. She then informed police," authorities in the western city of Bochum said in a statement.

The man had been talking about the attempted robbery to friends over a CB radio set, when the transmission was intercepted up by the baby's intercom system.

Police arrested the man, who confessed to the abortive raid.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

323. Re: [49MHz] Babyphone Traps Would-Be Robber

Yahoo group: 49megahertz
Date: 2003-11-05 04:09:30 UTC
From: KD7JYK
Topic: 323 Message: 323

I received a similar signal a few years back. About 3 AM I heard a fellow describe a specific job, tools to be used and how to keep those toold from appearing to be robbery tools etc, I recorded it and gave it my Brother-In-Law, an Officer. Easy bust. SUCKER!!

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Ground

324. Re: [49MHz] Babyphone Traps Would-Be Robber

Yahoo group: 49megahertz
Date: 2003-11-05 15:48:47 UTC
From: Fbs1050@aol.com
Topic: 323 Message: 324

Wow, that's a signal I wouldn't expect to hear!

Was this on 49MHz, or on another band? There have been reports of hearing such on FRS, but I wouldn't expect 49MHz to have the range required for two people to talk to each other from a distance. Unless they're hobbyists with souped-up radios and 49MHz antennas on their roof's. :-)

73 de Michael 49H3MA

325. Re: [49MHz] Babyphone Traps Would-Be Robber

Yahoo group: 49megahertz
Date: 2003-11-06 03:01:49 UTC
From: KD7JYK
Topic: 323 Message: 325

This was on 49 MHz. It wasn't walkie-talkies.

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Ground
----- Original Message -----
From: Fbs1050@...
To: 49megahertz@yahoogroups.com
Sent: Wednesday, November 05, 2003 07:48
Subject: Re: [49MHz] Babyphone Traps Would-Be Robber

Wow, that's a signal I wouldn't expect to hear!

Was this on 49MHz, or on another band? There have been reports of hearing such on FRS, but I wouldn't expect 49MHz to have the range required for two people to talk to each other from a distance. Unless they're hobbyists with souped-up radios and 49MHz antennas on their roof's. :-)

73 de Michael 49H3MA
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326. Re: [49MHz] Babyphone Traps Would-Be Robber

Yahoo group: 49megahertz
Date: 2003-11-06 05:25:52 UTC
From: Fbs1050@aol.com
Topic: 323 Message: 326

Ah, okay. Those cordless things that aren't walkie-talkies but are on 49MHz.
I see. :-)

I guess there will always be a dumber criminal, but the stupid things they do
never cease to amaze me.

73 de Michael 49H3MA

327. Re: [49MHz] Babyphone Traps Would-Be Robber

Yahoo group: 49megahertz
Date: 2003-11-06 06:44:45 UTC
From: KD7JYK
Topic: 323 Message: 327

49H3MA?

I figure I should throw a little info in here rather than lurk....

Aside from the usual listening...

I started playing with 49 MHz in late 1992 while in college. A girl I knew was having trouble with a man so I built a "bumper beeper". If she heard the signal, she knew he was coming. The beeper was built from a 49 MHz remote control transmitter. The whole device was no larger than a box of matches, and my next door neighbor had the same model car as he so it was easy to find a place to conceal it quickly before the time arrived to install the device.

In late '92 early '93 I built a 49 MHz beacon operating on 49.845 MHz. It sent a tone and X in CW. I could hear it all of two blocks with my Uniden BC-200 scanner. This beacon operated for about six months. I still have this beacon somewhere around here.

I also built a couple vandal alarms for a Real Estate company. It seems one woman had a competitor who would pull down her sign or place hers over the others. The device was triggered by a piece of copper wire pulled from a length of small gauge stranded wire so it was nearly impossible to see. After installing the device the victim decided afterwards she would glue her sign up as well as screwing it. That night the vandal came and tried to remove the sign. With a hammer! It was torn to shreds, all except the few inches where the wire was!!!

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Ground
----- Original Message -----
From: Fbs1050@...
To: 49megahertz@yahoogroups.com
Sent: Wednesday, November 05, 2003 21:25
Subject: Re: [49MHz] Babyphone Traps Would-Be Robber

Ah, okay. Those cordless things that aren't walkie-talkies but are on 49MHz. I see. :-)

I guess there will always be a dumber criminal, but the stupid things they do never cease to amaze me.

73 de Michael 49H3MA
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328. Hello From A New Member!!!

Yahoo group: 49megahertz
Date: 2003-11-15 04:31:48 UTC
From: john
Topic: 328 Message: 328

Hello from a new member From West Central Wyoming.i'm currently very heavily into 2-way radio communications and Cover many bands including FRS,GMRS,MURS,CB,and Now i'm looking for a Couple of 49 Mhz 2-way radios so i can get into the 49 Mhz band again since i was once into it quite a number of year back around 1993 or 1994 and had a few of the 3 channel 49 Mhz 2-way radios from Radio Shack but i guess by now Radio Shack has more than likely"DISCONTINUED" Them Like Every Other good selling thing Radio Crap oops Radio Shack has ever had out on the market but if anyone can be of any help i would appreciate it very very much.as i have a few of the Radio Shack 14 ch FRS Mobiles and a few FRS HT's from very Companies and Have 2-1000 Ch. Trunking Scanners and going to be getting one more 200 Ch. Programmable Scanner Plus already have (1) 200 Channel HT Scanner for Use in the Mobile which i have the (5) 49-Mhz Frequencies for Voice Programmed into them and their is a local disaster net here on 49-Mhz conducted by each Neighborhood by the Neighborhood Commitees each sunday morning right after the Local 2-meter Net and they will shortly have a Local FRS Net here in the Coming Months as my Buddy and I are hooking up through FEMA to try to get a statewide Disaster Net Started On the FRS Band for the Neighborhoods of Our Hometowns.and we already work the CB Disaster Nets On Ch.09 and My Buddy Works the Disaster Net on 2-meters as his Call Sign is KD7FPV and My Sister Operaterates the 10-Meter Disaster Nets as Her Call Sign is KD7FZY and my friend Chip in Mass. is also a Ham and His Call Sign is N1WKS and thats kinda why i'm getting Back Into The Radio Hobby Very Heavily So Anybody Who Can Be Of Help i'd Be Glad To Hear From You!!! until Then Best of 73's and Happy Hobbying!!! John and Tam From Wyoming {WindRiver FRS Net Unit #7000}and if any of you are interested Come Check us Out At www.groups.yahoo.com/group/N1WKS and Hope to Chat With Ya Soon.

329. Re: Hello From A New Member!!!

Yahoo group: 49megahertz
Date: 2003-11-16 09:16:48 UTC
From: Jason Mangiafico
Topic: 328 Message: 329

--- In 49megahertz@yahoogroups.com, "john" <wyooutlaw2001@y...> wrote:
> Hello from a new member From West Central Wyoming.i'm currently
> very heavily into 2-way radio communications and Cover many bands
> including FRS,GMRS,MURS,CB,and Now i'm looking for a Couple of
> 49 Mhz 2-way radios so i can get into the 49 Mhz band again since
> i was once into it quite a number of year back around 1993 or 1994
> and had a few of the 3 channel 49 Mhz 2-way radios from Radio
> Shack but i guess by now Radio Shack has more than
> likely"DISCONTINUED" Them Like Every Other good selling thing Radio
> Crap oops Radio Shack has ever had out on the market but if anyone
> can be of any help i would appreciate it very very much.
>[...]

Occasionally, a set of Maxon PC-50 walkie-talkies show up on Ebay cheap.

330. Re: Hello From A New Member!!!

Yahoo group: 49megahertz
Date: 2003-11-19 03:42:56 UTC
From: Steven Coles
Topic: 328 Message: 330

John and Tam,

Welcome and good work on the emergency nets.

Don't forget to watch your local second hand shops, too. You might find some hand-held tranceivers. Around here I haven't found any yet, but have found 3 baby monitors. Each pair can be converted to a 2-channel base station by adding a switch.

Steven

331. Re: [49MHz] Re: Hello From A New Member!!!

Yahoo group: 49megahertz
Date: 2003-11-19 09:35:57 UTC
From: COLEMAN JOHN
Topic: 328 Message: 331

Ty Steven We Try To Do What We Can and We Have an MSN Group For Our Disaster Nets Called "WindRiverFRSDisasterNet"@... that is for anyone who would be interested or is interested in starting an FRS Disaster Communications
net in their own Home Town like we are getting started here in West Central Wyoming. although our Community is Very Small its Just Getting Started and is only a few days only as we just decided to open up an internet home for our FRS Disaster Net For West Central Wyoming.We Are Here To aide People in Getting Their Own Networks Started and To Answer Any Questions They Might Have About How To Get Linked Up Through Their Local Civil Defense Or Emergency Management Agencies Or EMS or Law Enforcement Depts or Fire Depts Or Neighborhood Committees within their Home Towns
and to Post Updates on Fema and Other Emergency Management agencies on Disaster Communications Teams and their Operations Within EMS Depts During Civil Disasters,Severe Weather Or Other Emergency Situations Where They Might Be Brought in To Help With Short Distance Low Power Wireless Communications Like FRS,MURS,GMRS,49-Mhz,CB,or Amatuer Radio.we also help get medical Assistance fer Shut-ins,Disabled and Aged Senior Citizens Within our Home Towns.so we are here to do more than just Communications Nets During Disasters.We Are Also Trying To Get Linked In With The Local "WindRiver Branch Of The American Red Cross so we can help by Possibly Being A Part Of Their Disaster Communications Division Or Being an Entity Of The Red Cross When We Might Possibly Be Needed By Them To Assist With Red Cross Disaster Communications Here Locally. So If You'd Like To Come Check Us Out Please Feel Free To Do So.Our Many Thanks In advance From The Community Moderators John and Tam and Assistant Community
Moderator Mike (Kd7fpv).P.S. We Are Checking Into 49 Mhz Handi Talkies On Ebay By Maxon so hopefully We Will be able to dig up a Few For Our Local Disaster Network.But Thanks and any other info you might come up with feel free to join my community and Post in the Message Board or In The Links Page Again best of 73's and Our Many Thanks.

Steven Coles <scoles@...> wrote:
John and Tam,

Welcome and good work on the emergency nets.

Don't forget to watch your local second hand shops, too. You might
find some hand-held tranceivers. Around here I haven't found any
yet, but have found 3 baby monitors. Each pair can be converted to
a 2-channel base station by adding a switch.

Steven

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332. YahooGroups Warning

Yahoo group: 49megahertz
Date: 2003-11-19 14:36:49 UTC
From: Fbs1050@aol.com
Topic: 332 Message: 332

Hi all,

Yahoo's up to their old tricks... I just got another "Marketing Notice" that says they're going to be messing around with our privacy/marketing preferences again.

Just a warning - if you don't want Yahoo to be sending you constant ads, read the email they'll send you and check up on your marketing prefs.

73 de Michael 49H3MA

333. Re: YahooGroups Warning

Yahoo group: 49megahertz
Date: 2003-11-19 21:31:46 UTC
From: john
Topic: 332 Message: 333

--- In 49megahertz@yahoogroups.com, Fbs1050@a... wrote:
> Hi all,
>
> Yahoo's up to their old tricks... I just got another "Marketing
Notice" that
> says they're going to be messing around with our privacy/marketing
preferences
> again.
>
> Just a warning - if you don't want Yahoo to be sending you
constant ads, read
> the email they'll send you and check up on your marketing prefs.
>
> 73 de Michael 49H3MA

I Might Sound Stupid But What Are Privacey and Marketing Preferences as i've Been with Yahoo Fer Several Years and Have Never Heard Of Privacy/Marketing Preferances in Yahoo.....Hmmm i wonder if i have Been Shorted By Yahoo on This Deal???? Maybe i Should ask Yahoo LoL!!!

334. Re: YahooGroups Warning

Yahoo group: 49megahertz
Date: 2003-11-21 08:15:23 UTC
From: Jason Mangiafico
Topic: 332 Message: 334

--- In 49megahertz@yahoogroups.com, Fbs1050@a... wrote:
> Hi all,
>
> Yahoo's up to their old tricks... I
>just got another "Marketing
>Notice" that says they're going to
>be messing around with our
>privacy/marketing preferences again.
>
> Just a warning - if you don't want
>Yahoo to be sending you constant
>ads, read the email they'll send you
>and check up on your marketing prefs.
>
> 73 de Michael 49H3MA

The owner of this group should put up a message board CGI on his website so that we don't have to put up with Yahoo's BS.

335. Re: [49MHz] Re: YahooGroups Warning

Yahoo group: 49megahertz
Date: 2003-11-22 01:53:33 UTC
From: Fbs1050@aol.com
Topic: 335 Message: 335

I agree with you. But, unfortunately, QSL.net doesn't support CGI scripts, and I can't really complain since we're getting the webspace for free. So, for right now at least, it's YahooGroups.

However, when I redesign the site I may be able to upload all the files in the Files area so that we can switch to another group service.

73,

Michael
49H3MA

336. 10 Channel Base

Yahoo group: 49megahertz
Date: 2003-11-24 14:55:43 UTC
From: otherone001
Topic: 336 Message: 336

I am new to this list so maybe someone can help me.

In the photo section of this group there is a set of
photos of what looks like a homebrew unit:

http://photos.groups.yahoo.com/group/49megahertz/lst?.dir=/10+Channel+
Base&.src=gr&.order=&.view=t&.done

Can someone please direct me to the schematic, parts list, and
possible construction notes for this project?

Terry

337. Re: 10 Channel Base

Yahoo group: 49megahertz
Date: 2003-11-26 03:45:39 UTC
From: Steven Coles
Topic: 336 Message: 337

Terry,

Looks like jerome last checked in in message 243 where he gives a
link to the PIC source code for the 10 Channel Base.

If he doesn't reply in 48 hours, assume he's not actively monitoring
this group. In that case you can click on his email in message 243
or follow the link to his site.

Good Luck.

Steven

338. Re: 10 Channel Base

Yahoo group: 49megahertz
Date: 2003-11-26 17:09:51 UTC
From: Jerome
Topic: 336 Message: 338

Ah, yes, sorry, things have been busy here. Thanks for providing a pointer to the source code, Steven. I'll see if I can scan in a copy of the schematic into a PDF (it's in OrCAD format) and generate a parts list, at least for the circuit board. I don't have anything written up as far as design or construction notes go, though. It's also a work-in-progress as I'd like to modify the functions of some of the switches and add the squelch control that someone else came up with. It may be a few days, due to the holiday and all, but I'll do my best to get some more info posted soon.

-Jerome

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
wrote:
> Terry,
>
> Looks like jerome last checked in in message 243 where he gives a
> link to the PIC source code for the 10 Channel Base.
>
> If he doesn't reply in 48 hours, assume he's not actively
monitoring
> this group. In that case you can click on his email in message 243
> or follow the link to his site.
>
> Good Luck.
>
> Steven

339. Re: 10 Channel Base

Yahoo group: 49megahertz
Date: 2003-11-26 18:21:54 UTC
From: otherone001
Topic: 336 Message: 339

--- In 49megahertz@yahoogroups.com, "Jerome" <jerome@a...> wrote:

> I'll see if I can scan in a copy of the schematic into a PDF
> (it's in OrCAD format) and generate a parts list, at least for
> the circuit board. I don't have anything written up as far as
> design or construction notes go, though.

Thanks for the replys, and I'm looking forward for the info.
I will take a look at message 243 that was mentioned.

Terry

340. Re: 10 Channel Base

Yahoo group: 49megahertz
Date: 2003-11-27 19:50:08 UTC
From: Steven Coles
Topic: 336 Message: 340

Jerome,

Thank you for replying. I'm glad to see you're still involved here.

Steven

341. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2003-12-01 10:01:53 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 341

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

342. SWLog FREE Logging Software

Yahoo group: 49megahertz
Date: 2003-12-02 01:16:21 UTC
From: Dale Haseley
Topic: 342 Message: 342

Hello fellow radio enthusiasts,

While some of you may be aware of this program, I feel compelled to mention A great piece of FREE yes I said FREE software for the SWLing and utilities 49mhz aircraft whatever Monitoring. If you would like to add a little kick to your short-wave monitoring
I highly recommend Bob Sillett"s "SHORTWAVE LOG" Program
This program has so many feature, its hard to believe its free why end up paying Over 100 dollars (with maint fees) for short-wave logging software when Bob's Software is at least from my stand point will do just about anything a person could expect. (No it can't fix bad propagation)

Included but not limited to

1 Import many popular databases (11) that will automatically help you identify SW. station These include Primetime, ILG, HFCC, Fineware, HF seasonal, etc.

If that was not enough in addition you can down load the FCC AM station database And the NIMA Longwave database. (all FREE.)
No not done yet, You can also Down load and work with the FCC AMATEUR Callsign database and the CANADIAN CALLSIGN database (again FREE)
Where do think Buckmaster and QRZ get their core information?

You can upload your loggings to the SW COMMUNITY Website Any Kind Of Loggings Ute's Aircraft whatever and then down load
Loggings from other listeners around the world. This download of on air monitoring Becomes yet another database to help you ID stations AND auto fill many of the data
Fields in you loggings.

And yes of course it will generate varies styles of reception reports. Has propagation prediction graph that will go out on the internet to grab Solar information And make propagations predictions. Atomic clock sync. is also provide
via the net. Radio control for some receivers.

My favorite, color maps of Country logged pop up as you enter a logging!

MANY MANY more feature check the website at:

http://www.sillett.us.eu.org/swlog/

While I will admit this program is a bit of a project to set up, It Is defiantly worth it. Bob will give you great support as well.

This has re-sparked my interest in SWL'ing. Oh did I mention its FREE! Free is me!

Best Regards
Dale N2YJJ

343. Re: File - Admin1.txt

Yahoo group: 49megahertz
Date: 2003-12-02 02:48:44 UTC
From: Steven Coles
Topic: 234 Message: 343

49MHz,

I've been employed in communication and other RF technologies since 1968. But I'd forgotten the military use (I remember a brief run-in between military and hams on 6 meters from the early 60s now that you brought it up).

I appreciate the reminder.

Steven

344. Re: SWLog FREE Logging Software

Yahoo group: 49megahertz
Date: 2003-12-02 02:54:12 UTC
From: Steven Coles
Topic: 342 Message: 344

Dale,

You mean there's an alternative to those wads of paper getting wadded up in my bookpack? Thanks for the tip.

Steven

345. Re: [49MHz] Re: File - Admin1.txt

Yahoo group: 49megahertz
Date: 2003-12-02 04:11:47 UTC
From: Fbs1050@aol.com
Topic: 345 Message: 345

I first noticed this in Police Call among the 49MHz listings (mainly our Part 15 channels) and when I saw "US Military Use" I thought "Maybe I ought to post this to the group." LOL.

73,

Michael 49H3MA
President, 49MHz ERC

346. [49MHz] Re: File - Admin1.txt

Yahoo group: 49megahertz
Date: 2003-12-03 03:31:05 UTC
From: Steven Coles
Topic: 345 Message: 346

Michael,

I walked by the local fire hall this afternoon and the antenna's on
the roof look about the right length for 49 MHz.

Steven

347. Re: [49MHz] Re: File - Admin1.txt

Yahoo group: 49megahertz
Date: 2003-12-03 05:07:11 UTC
From: Fbs1050@aol.com
Topic: 345 Message: 347

Actually, probably 46MHz.

There's quite a bit of public safety comms on that band... maybe even more
than cordless phones in some areas.

348. 10 Channel info (finally!)

Yahoo group: 49megahertz
Date: 2003-12-05 02:40:24 UTC
From: Jerome
Topic: 348 Message: 348

I've uploaded three files to files section. They are in the folder called "10_Channel" which is in the Schematics folder. Here's a shortcut:
http://groups.yahoo.com/group/49megahertz/files/Schematics/10_channel/

In the great American way of releasing things before they're ready, these haven't even been proofread yet. But it should at least provide some info for those who want it. There's a schematic (PDF format, 11x17/'B' size), a parts list (text file), and a theory of operation (text file).

I apologize for the poor quality of the schematic; I originally started this project several years ago and used OrCad to draw it. I don't have a good way (yet) of converting OrCad files to something more portable so I had to plot it (on a nearly dead plotter with a bad pen) and then scan it in. If it's printed to an 11x17 sheet it should at least be usable, though not pretty.

-Jerome

349. RE: 10 Ch.Base

Yahoo group: 49megahertz
Date: 2003-12-10 23:09:06 UTC
From: john
Topic: 349 Message: 349

Is There Anyone In The Group Who Builds The 10 Ch.Bases??
If So I would Like To Have a Couple Of The 10 Ch.Bases Built For
a Disaster Communications Team Here In West Central Wyoming So If
Anyone Here Would be Able to build a Couple three or Four Of Them
Please Let Me Know and Let Me Know What The Cost Would Be To Build
Them as They Would Be a Good Part of Communications For Our Disaster
Communications Team.Many Thanks In Advance.WindRiver FRS Disaster Net
Unit#7000 In The WindRiver Valley Of Wyoming.

350. LCD Display

Yahoo group: 49megahertz
Date: 2003-12-11 04:23:05 UTC
From: Pete Crapia
Topic: 350 Message: 350

I will be making Jerome's 10 channel unit and thought that I'd post a link to getting the LCD display fairly cheap in case anyone else here is going to give the circuit a try.

http://www.brigarelectronics.com/Merchant2/merchant.mv?Screen=PROD&Store_Code=BE&Product_Code=M1641&Category_Code=LED

You may have to copy and paste the text into your browser due to Yahoo's word wrap crap.

Pete

351. Re: [49MHz] LCD Display

Yahoo group: 49megahertz
Date: 2003-12-11 04:32:52 UTC
From: COLEMAN JOHN
Topic: 350 Message: 351

Pete Crapia <pcrapia@...> wrote:
I will be making Jerome's 10 channel unit and thought that I'd post a
link to getting the LCD display fairly cheap in case anyone else here
is going to give the circuit a try.

Was Wondering How Much You Would Charge To Build 3 Of The 10 Ch.Bases as we are Looking For The 49 Mhz Radios For Our Disaster Communications Network so Please Let Me Know How Much It Would Be For 3 Of Those Units and Many Thanks In Advance WindRiver FRS Disaster Net Unit#7000 In Wyo.

http://www.brigarelectronics.com/Merchant2/merchant.mv?
Screen=PROD&Store_Code=BE&Product_Code=M1641&Category_Code=LED

You may have to copy and paste the text into your browser due to
Yahoo's word wrap crap.

Pete

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352. Re: [49MHz] LCD Display

Yahoo group: 49megahertz
Date: 2003-12-11 04:40:49 UTC
From: Pete Crapia
Topic: 350 Message: 352

Let me put it together to see how well it works out. From there I would have a better idea as to how much it would cost. However, I would not supply the actual TRC-512 unit itself. It would have to be sent to me or you could just find someone to solder wires to the board of the TRC-512 from the "aftermarket" add-on that Jerome designed.

Pete

--- In 49megahertz@yahoogroups.com, COLEMAN JOHN <wyooutlaw2001@y...> wrote:
>

>
> Was Wondering How Much You Would Charge To Build 3 Of The 10 Ch.Bases as we are Looking For The 49 Mhz Radios For Our Disaster Communications Network so Please Let Me Know How Much It Would Be For 3 Of Those Units and Many Thanks In Advance WindRiver FRS Disaster Net Unit#7000 In Wyo.
>
>

353. 149.475 kHz Crystal

Yahoo group: 49megahertz
Date: 2003-12-11 05:14:48 UTC
From: Pete Crapia
Topic: 353 Message: 353

Hey Jerome, do you happen to know of a supplier for the 149.475 kHz crystal? Digi-Key has my crystals on back order but I'd like to get some quicker.

Pete

354. Q6 - ZVP3306

Yahoo group: 49megahertz
Date: 2003-12-11 05:27:52 UTC
From: Pete Crapia
Topic: 354 Message: 354

Hey Jerome, is Q6 (ZVP3306) very critical? Could I simply substitute
a general purpose component?

Pete

355. Re: Q6 - ZVP3306

Yahoo group: 49megahertz
Date: 2003-12-11 16:12:48 UTC
From: Jerome
Topic: 354 Message: 355

--- In 49megahertz@yahoogroups.com, "Pete Crapia" <pcrapia@b...>
wrote:
> Hey Jerome, is Q6 (ZVP3306) very critical? Could I simply
substitute
> a general purpose component?

Yeah, a general purpose FET should work. I used the ZVP3306 only
because I had some on hand. It would probably be possible, with some
slight modifications, to use a BJT instead.

356. Re: 149.475 kHz Crystal

Yahoo group: 49megahertz
Date: 2003-12-11 16:30:51 UTC
From: Jerome
Topic: 353 Message: 356

--- In 49megahertz@yahoogroups.com, "Pete Crapia" <pcrapia@b...>
wrote:
> Hey Jerome, do you happen to know of a supplier for the 149.475 kHz
> crystal? Digi-Key has my crystals on back order but I'd like to get
> some quicker.

Unfortunately, no. Digi-Key is my main supplier. I see they have an
estimated ship date of 12/31. Some times they actually get thing
earlier so they may arrive sooner. Then again, occasionally they'll
slip even more... I don't have any others (I only ordered one when I
started building this thing), otherwise I'd send you one. You could
use Digi-Key p/n SE3337 which is a 131.072 kHz crystal (in stock)
until the faster one arrives. The only side effect that I can think
of is the timers implemented in the software will run a bit slower.

357. Re: [49MHz] LCD Display

Yahoo group: 49megahertz
Date: 2003-12-11 18:24:59 UTC
From: COLEMAN JOHN
Topic: 350 Message: 357

we've looked all over but are unable to locate any TRC 512 Radios although a Shop in Texas Has The FRS Units With The Head Set and Boom Mic i'm Not Sure If It Would Work The Same Way Or Not But Those Are The Only Ones We Can Find at The Present Time So Let Me Know If That Will Work In The Same Way.Thanks.

Pete Crapia <pcrapia@...> wrote:Let me put it together to see how well it works out. From there I
would have a better idea as to how much it would cost. However, I
would not supply the actual TRC-512 unit itself. It would have to be
sent to me or you could just find someone to solder wires to the
board of the TRC-512 from the "aftermarket" add-on that Jerome
designed.

Pete

--- In 49megahertz@yahoogroups.com, COLEMAN JOHN <wyooutlaw2001@y...>
wrote:
>

>
> Was Wondering How Much You Would Charge To Build 3 Of The 10
Ch.Bases as we are Looking For The 49 Mhz Radios For Our Disaster
Communications Network so Please Let Me Know How Much It Would Be For
3 Of Those Units and Many Thanks In Advance WindRiver FRS Disaster
Net Unit#7000 In Wyo.
>
>

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358. Re: [49MHz] LCD Display

Yahoo group: 49megahertz
Date: 2003-12-12 00:43:41 UTC
From: John H. Guetherman
Topic: 350 Message: 358

Lots of luck finding TRC-512's. I only have two of them, and one was the last in all of Arizona a year or two ago. I plan on keeping them as is.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

359. Re: [49MHz] LCD Display

Yahoo group: 49megahertz
Date: 2003-12-12 13:00:12 UTC
From: COLEMAN JOHN
Topic: 350 Message: 359

We Know Where We Can Get Either The Single Ch. 49 Mhz 2-way Radio Units or the 5-Channel 49 Mhz 2-way Radio Units that go on your belt that have the boom mic.and antenna on the headset or on the unit itsself for the single Ch. units from a shop in Texas the Single Ch.Units are $34.80 and the 5-Ch.Units are 59.88 Plus Tax so i think in January Our Disaster Communications Team Will Try to get a Couple Of The 5-Ch Units to use During Disaster Communications For Upclose Short Distance Communications in the neighborhoods while working under the Local Red Cross Chapter which alot of us are members of or are getting hooked up with the Local Red Cross Chapters and are also Members Of The Local WindRiver FRS Disaster Communications Network So We Will Be Using the 49-Mhz Units In Conjunction with the FRS Disaster Communications Teams In Wyoming which a few of the FRS Teams are a Part Of "CERT" {Community Emergency Radio Teams} Based Out Of California.So We Thank You all for the Information and we will let you know in February or March How Well The 49 Mhz Units Work Out and What Kind Of Range We Get Since we are up about the 9000 Ft Level on
the East Face Of the WindRiver Mtns Out Here In Wyoming.take care and have a great day yall!!

"John H. Guetherman" <jhguetherman@...> wrote:
Lots of luck finding TRC-512's. I only have two of them, and one was
the last in all of Arizona a year or two ago. I plan on keeping them
as is.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

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362. Re: [49MHz] Fwd: Merry Christmas

Yahoo group: 49megahertz
Date: 2003-12-15 15:38:19 UTC
From: 49MHz Experimental Radio Club
Topic: 362 Message: 362

On Dec 15, 2003, at 1:17 AM, COLEMAN JOHN wrote:
> JUNK MAIL.....HUH....WHAT JUNK MAIL?????.....LMAO~~~~

Sorry if you didn't like the off-topic posts, folks. I warned the sender and switched him over so that his posts must be moderated.

Just a reminder - unless they're 49MHz-related, joke posts and your standard multiple-forward letters are prohibited from being posted to the list, because most members don't want to see jokes, but 49MHz information.

73 de Michael 49H3MA
President, 49MHz Experimental Radio Club
Moderator, 49MHz_Hobbyists

363. Re: [49MHz] Fwd: Merry Christmas

Yahoo group: 49megahertz
Date: 2003-12-24 04:55:32 UTC
From: Steven Coles
Topic: 362 Message: 363

All,

Hoping you a joyous holiday season and a great 2004.

Steven

364. Advantages of FRS & 49 MHz

Yahoo group: 49megahertz
Date: 2003-12-30 19:13:36 UTC
From: Steven Coles
Topic: 364 Message: 364

All,

I'm trying to compare FRS and 49 MHz. I've listed my imp0ressions
below. Please add or correct.

Steven

Characteristics and Advantages of FRS:

Inexpensive.
Has recently become more available than 49 MHz.
Greater range when using standard transceivers.
More channels.
Signal tones on standard transceivers.
Compact antennas.
Entire transceiver easily replaced.
Design is at LSI (large-scale integration) level.
440 MHz ham designs can be adapted.
Design verification, test, adjustment, and repair involve learning
advanced, special-purpose instruments.

Characteristics and Advantages of 49 MHz:

Inexpensive.
Antenna designs work much as expected as apposed to secondary and
tertiary factors influencing UHF antenna performance.
Individual components easily obtained new or by scavenge.
Design is at discrete and SSI (small-scale integration) level.
Design verification, test, adjustment, and repair require only
common, multipurpose instruments.
50 MHz ham designs can be adapted.

So far FRS seems to win for glitz, reliable, plain Jane
communications, and advanced design experience. 49 MHz seems to win
for nostalgia, scavenging, home assembly, hobby, tinkering, and
introductory design experience

365. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-01-01 13:33:06 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 365

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

366. 6 Meter Ham Band Field Strength Limit

Yahoo group: 49megahertz
Date: 2004-01-04 00:20:52 UTC
From: Steven Coles
Topic: 366 Message: 366

All,

Currently, Part-15 devices are limited to 100uV/m within the 50 ☐ 54 MHz ham band. As a ham I wouldn't mind sharing 51.5 ☐ 52.5 MHz with 10,000 uV/m Part-15. The 51.5 ☐ 52.5 MHz chunk of spectrum avoids the heaviest 6 meter ham use and leaves a 1.5 MHz guard band to TV channel 2.

I imagine the ARRL would object. However, I think it would inspire many 49 MHz users to get licensed for ham operation. Would having reliable 50 to 70 mile range and occasional 1200 mile contacts inspire to get a ham license?

ARRL clubs could transmit code practice and license prep information being assured Part-15 users could receive it. As the FCC prohibits Part-15 users from interfering with any licensed user, there'd be no degradation of ham operation.

However, I'm afraid it's too late to get venders to market new Part-15 transceiver models for low VHF.

Any thoughts?

Steven

367. Re: 6 Meter Ham Band Field Strength Limit

Yahoo group: 49megahertz
Date: 2004-01-08 04:01:19 UTC
From: John H. Guetherman
Topic: 366 Message: 367

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
wrote:
> However, I'm afraid it's too late to get venders to market new Part-
> 15 transceiver models for low VHF.
>
> Any thoughts?
>
> Steven
>

The beauty of Part 15 is, that you are specifically allowed to home-brew your own radios. There's a limit of 5 pieces per year if I recall correctly.

If those experimenter's who have the knowledge to do so (I don't, unfortunately) could build a few of their own designs, and share them freely with others, there could be some interest developed that way.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

368. Re: 6 Meter Ham Band Field Strength Limit

Yahoo group: 49megahertz
Date: 2004-01-09 05:33:33 UTC
From: Steven Coles
Topic: 366 Message: 368

John,

You wrote, "The beauty of Part 15 is, that you are specifically allowed to home-brew your own radios. There's a limit of 5 pieces per year if I recall correctly."

And that's by far my favorite. The web site

http://ftp.fcc.gov/oet/info/rules/part15/part15_12_8_03.pdf

says

Section 15.23 Home-built devices.
(a) Equipment authorization is not required for devices that are not marketed, are not constructed from a kit, and are built in quantities of five or less for personal use.
(b) It is recognized that the individual builder of home-built equipment may not possess the means to perform the measurements for determining compliance with the regulations. In this case, the builder is expected to employ good engineering practices to meet the specified technical standards to the greatest extent practicable. The provisions of Section 15.5 apply to this equipment.

I assumed that meant no more than 5 in possession at one time. That's not the only place where laws seem to have two or more possible meanings. While I'm not there yet, I've been stressing over whether building up modules enough to have 6 transmitters counts as having 6. I don't have parts for 6 transmitters, but would like to feel free to have modules to, for instance, run a test, change the modulator, and repeat the test.

I'd also like to have Part-15 home-made transmitters for 160-190 kHz, 525-1705 kHz, 13.553-13.567 MHz, 26.96-27.28 MHz, 49.82-49.9 MHz, 70-75 MHz (radio control), 88-108 MHz, and 2.4-2.4835 MHz (spread spectrum). Hmmm. That's 8. Band-switching transmitters maybe?

I'd also like to experiment with homemade FRS transceivers. That's CFR Title 47, Part 95.191-95.194. So they wouldn't count as Part-15 devices. But I can't find any provision for home-built units. Seems to require FCC certification regardless. FRS is used so much like 49 MHz (and 27 MHz Part-15 in the past), I assumed it was Part-15 until just now.

Looks like 70-75 MHz radio control exists in both Part 15 and Part 95.201-95.225 forms. That might warrant a read.

In plain language, giving a transmitter to someone is not the same as marketing it. Hopefully, giving does not equal marketing in legal parlance. The OET plain language write up refers to a number of rules regarding marketing. As I have no plans to market these devices (at least as I understand "market"), I haven't read those rules yet.

I like building transmitters and would enjoy building Part-15 transmitters as gifts. (I already had 3 people in mind, but I don't build rapidly).

If I don't find a web site devoted to all aspects of Part 15, I might start one.

Steven

369. Re: Part 15

Yahoo group: 49megahertz
Date: 2004-01-09 18:00:38 UTC
From: Jerome
Topic: 366 Message: 369

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
wrote:
> Section 15.23 Home-built devices.
> (a) Equipment authorization is not required for devices that are
not
> marketed, are not constructed from a kit, and are built in
> quantities of five or less for personal use.
>...
>
> I assumed that meant no more than 5 in possession at one time.
> That's not the only place where laws seem to have two or more
> possible meanings. While I'm not there yet, I've been stressing
> over whether building up modules enough to have 6 transmitters
> counts as having 6. I don't have parts for 6 transmitters, but
> would like to feel free to have modules to, for instance, run a
> test, change the modulator, and repeat the test.
>
> I'd also like to have Part-15 home-made transmitters for 160-190
> kHz, 525-1705 kHz, 13.553-13.567 MHz, 26.96-27.28 MHz, 49.82-49.9
> MHz, 70-75 MHz (radio control), 88-108 MHz, and 2.4-2.4835 MHz
> (spread spectrum). Hmmm. That's 8. Band-switching transmitters
> maybe?

My interpretation of this is that the limit of five is only there to prevent an individual from mass-producing products of a specific design, not from owning a overall total of five or fewer part 15 devices. I.e. you can make as many part 15 devices in various bands as you want, but if you want to go into full production (>5 units of a specific design) then you need some official Part 15 testing.

I've made two tracking transmitters (different designs) for model rockets, plus a wireless launch controller, plus I used the guts of a radio shack TRC-512 for a 49 MHz base radio. Even though I've done four part 15 projects (and have plans on the drawing board for a fifth: a 900 MHz tracking transmitter), they were all in quantities of 5 or less -- in fact all were one-offs -- so I'm not too concerned about the 5-unit limit.

370. Rocket Tracking Transmitters

Yahoo group: 49megahertz
Date: 2004-01-10 03:10:40 UTC
From: Steven Coles
Topic: 370 Message: 370

Jerome (& anyone else into this),

I'd like to hear more about model rocket tracking transmitters--
especially using Part-15. I've launched a few very small rockets.
I think they'd be too small to carry transmitters with a 200 meter
range□about how far they traveled from the launch stand.

Have you done any clever stuff with parachute deployment also
extending an antenna?

Steven

371. Re: [49MHz] Rocket Tracking Transmitters

Yahoo group: 49megahertz
Date: 2004-01-10 09:14:07 UTC
From: KD7JYK
Topic: 371 Message: 371

There is a balloons-rockets@... list. They do a lot of exciting things. Also a couple lists on yahoo. Ramsey electronics makes some postage stamp size transmitters, but your best bet would be surface mount CMOS crystals with three or four watch batteries connected to it. I have gotten a long city block out of these and they weight just a few small grams.

The parachute antenna deployment idea is a good one, I have some Cold War equipment launched from aircraft that does this!!

Kurt

----- Original Message -----

From: Steven Coles <scoles@...>

Have you done any clever stuff with parachute deployment also extending an antenna?

Steven

372. Re: Rocket Tracking Transmitters

Yahoo group: 49megahertz
Date: 2004-01-11 16:30:33 UTC
From: Jerome
Topic: 370 Message: 372

The two that I've made so far were both based on a small 433.92 MHz transmitter module that was available from Radio Shack (cat #900-6896). That module is no longer available from Radio Shack but similar modules are available elsewhere.

My first design had about seven components including a 5V regulator and a PIC12C509 microcontroller. The transmitter was always on, and the PIC provided a modulating signal. The clock for the PIC was the internal R/C oscillator running at 4 MHz. Since I'm a licenced ham, and since the frequency used (a common frequency for low-power data link thingies) happened to fall into the 70cm ham band, my callsign was sent as part of the signal, though the transmitter power was low enough that it could be operated as a part 15 device.

This first one was lost when it fell out of a rocket at 3000 ft and landed on a dry, hard, Nebraska field. I got the rocket back (tracking transmitters are actually anti-drift devices; whenever you put one in a rocket you typically don't need it), but never found the transmitter. I listened for it, but I'm guessing that something catestrophic happened when it suddenly decelerated upon reaching the field, after which it ceased transmission.

The second design used about twice as many components but reduced power consumption 95% which means the battery would last a lot longer. Now the PIC used an external crystal for clock generation but ran at only 32.768 kHz. The transmitter duty cycle was also reduced from 100% to 10%.

Both designs are powered by a single 12V "lighter" battery and were less than 1 inch long (less the battery) and had a diameter of about an inch. Each is actually housed in a piece of a BT-55 coupler so they'd fit into a BT-55 tube. It's great for larger model rockets up through high power (I once loaned it to a guy for his hybrid M-powered level 3 certification flight).

For an antenna I just used an unbalanced dipole which seems to work well. As long as it's in the air I can hear it (line-of-sight). As soon as it lands I may or may not be able to hear it depending on distance and terrain. Typical on-the-ground range is 0.25 - 0.5 miles. For receiving I use a scanner and a 6-element Yagi (built for under $20).

I chose 433 MHz over 49 MHz since there are tiny, readily available transmitters (and receivers) for that band, plus the antennas are much smaller, especially the receiving yagi.

I have plans for a 918 MHz version with the goal of getting it to fit into a BT-5. It'll have a lower transmitted power and is designed for smaller rocket (A - D powered).

I haven't done anything clever with the transmitter antenna, but at 433 MHz it's fairly short so it typically fits where I want to put it.

The best part: I've never lost a rocket that had a transmitter in it.

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
wrote:
> Jerome (& anyone else into this),
>
> I'd like to hear more about model rocket tracking transmitters--
> especially using Part-15. I've launched a few very small rockets.
> I think they'd be too small to carry transmitters with a 200 meter
> range□about how far they traveled from the launch stand.
>
> Have you done any clever stuff with parachute deployment also
> extending an antenna?
>
> Steven

373. Re: Rocket Tracking Transmitters

Yahoo group: 49megahertz
Date: 2004-01-15 05:40:24 UTC
From: Steven Coles
Topic: 370 Message: 373

Facility, Jerome,

Thank you for the replies. I did a few Estes launches around 1985.

Oh my! I just looked in the closet. I have

4 1/2A3-2T,
2 A8-5,
4 A8-3,
a Jammin, and
a Nova Payloader sealed in the package.

Are 20 year old engines safe? Usable?

I lost interest because I didn't have an interesting payload. Back
then I didn't have surface-mount technology experience either.

I was just looking for stories. But if this stuff should still
work, I'll use up those engines.

Steven

374. Regenerative and Super Regenerative Receivers

Yahoo group: 49megahertz
Date: 2004-01-28 04:48:46 UTC
From: Steven Coles
Topic: 374 Message: 374

All,

I'm remembering that regenerative and super regenerative receivers were once very popular for 1 or 2 block 27 MHz Part-15 and 50 MHz ham contacts□particularly in homemade walkie talkies. The simple 3-transistor, 6-meter transceiver I built as a teen was good for about 6 blocks communicating with dad's base station having a half-wave dipole antenna. (Dad was operating a Benton Harbor Lunch Box running about 5 watts and having a regenerative receiver□so nothing super at his end either.)

Does anybody on this board like building regenerative or other receiver projects?

Regards,

Steven

375. Signal Recovery Software for Long Range?

Yahoo group: 49megahertz
Date: 2004-01-28 05:22:34 UTC
From: Steven Coles
Topic: 375 Message: 375

All,

I'm seeing a number of Part-15 operators on VLF have been using signal recovery software for 1000+ mile communications. Most of the software appears to only work for radiotelegraph code and very slow data.

On 49 MHz long range contacts would need some propagation mode (ionospheric E or F layer skip, meteor reflection, aurora borealis, tropospheric ducting?). All of these come and go. They all induce some Doppler shift. At 49 MHz fading and Doppler shift might push the software limits.

Some information on recovering very slow code from noise can be found at:

http://www.ussc.com/~turner/qrss1.html

http://www.cnts.be/knights_qrss/

http://www.w0ch.net/qrss/qrss.htm

Has anybody tried anything like this?

Regards,

Steven

376. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-02-01 22:48:55 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 376

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

377. Re: File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-02-04 14:48:49 UTC
From: Steven Coles
Topic: 234 Message: 377

49Megahertz,

To say nothing of it being easier to find each other if we operate on the expected frequencies.

But who is ERC? Emergency radio coordinator?

Steven

--- In 49megahertz@yahoogroups.com, 49megahertz@yahoogroups.com wrote:
>
> These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.
>
> 49.8300MHz - Recommended Hobbyist Operations Freq
> 49.8450MHz
> 49.8600MHz - Recommended Hobbyist Operations Freq.
> 49.8750MHz
> 49.8900MHz

378. Re: [49MHz] Re: File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-02-04 17:54:39 UTC
From: KD7JYK
Topic: 345 Message: 378

Interesting to think there would be a co-ordinator of bastardized childrens toy radios!

Kurt

----- Original Message -----

From: Steven Coles <scoles@...>

> But who is ERC? Emergency radio coordinator?

379. [49MHz] Re: File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-02-05 03:41:03 UTC
From: Steven Coles
Topic: 345 Message: 379

KD7YJK,

Hi neighbor,

Maybe. But 10 or 15 years ago 49 MHz filled the role FRS does now.

What bands are you on when not on 49 MHz?

What is it that fascinates us so much about Part-15 when we have perfectly good amateur radio licenses?

Best regards,

Steven (KD7YTE)

380. Re: [49MHz] Re: File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-02-05 04:19:56 UTC
From: KD7JYK
Topic: 345 Message: 380

I never really thought of it...

When I started in radio, I had a scanner and a baby monitor with a VFO. All the cool stuff was on 49 MHz, phones, baby monitors, walkie talkies, model cars, it was great, it was like tapping into another world. In 1993 I set up a beacon for kicks, just to see how far I could hear it on my scanner. It had a range of one block! Now I was making these mysterious signals! I started to wonder how many different devices were also in this range so started buying everything with an antenna on it at yardsales and swapmeets. I found walkie talkies, phones, wireless micorphones, interactive teddy bears (Teddy Ruxspin) wireless headphones, and even a couple active radar intrusion systems! I am equally intrigued by devices operating around 27 MHz which includes the items listed above and more!!! Remote sensors, car alarms, pagers systems, more radar, a couple seismometer systems I designed, the list goes on and it is even more amazing because such a low powerd signals propagates so well. It is truly the unknown!!!!!!! What was that buzz or beep? What kind of "thing" made it? Where is it??? I monitored a particular signal for nearly 10 years over a half million square mile area with no clue as to its origination. Then one day I bought a radio remote car alarm at a thrift shop for a dollar, plugged it in, set my receiver to 27,145 KHz USB tripped it and DANG, there was the exact same signal! Mystery solved. No, not yet, why has a car alarm transmitted over the entire area west of the rockies for over ten years! A new mystery!!

HAM radio for me has been a stepping stone into other comm related fields, general scanning, utility station monitoring on HF, Military, NORAD, Strategic Air Command and the always present "what was that?" signals. My wife is an Extra and into DXing I just spin the dial. If I hear something especially interesting I will try to work it. I talked with MIR numerous time both voice and digitally, but never with Iceland or Antarctica which is my only goal so far. I have played with PSK31 on 14,070 and talked around the world but it is too easy, it is just like picking up the telephone the signal gets out so well... I play with Slow Scan Television on HF every now and then and voice rarely. I can do CW around 11 WPM, but have never used it on the air. Aside from monitoring my goals in Amatuer radio are to make regular contact with Antarctica and Iceland, work 160m and 10m regularly and set up a 10m beacon. In non Amatuer related... A beacon below 9 KHz, one between 160 - 190 KHz, around 510 KHz, 1.7 MHz, 13 MHz, 27 MHz and 49 MHz. All the near impossible places to operate!

I will be setting up a 10m dipole on a tower over the next few days and hope to be on the air within a week or two. I haven't been on the air for a while I am getting frustrated. I have a friend in Los Angeles who wants to chat with me on

10 so time to get things set up. I should be able to tune down to 30m easily so I will try the HF digital modes again as well.

But... I guess for me 49 MHz is still part of the mystery of radio. When you talk to a HAM, you know he is a HAM and where he is and what kind of equipment he is using...

What things are you into?

Kurt

----- Original Message -----
From: Steven Coles <scoles@...>

But 10 or 15 years ago 49 MHz filled the role FRS does now.
What bands are you on when not on 49 MHz?
What is it that fascinates us so much about Part-15 when we have perfectly good amateur radio licenses?

381. Re: File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-02-05 06:16:08 UTC
From: Steven Coles
Topic: 345 Message: 381

Kurt,

Oops. Got you confused with someone with a similar call about 20 miles from here.

Project your experience back to about 1957-1967 when all the unlicensed stuff was on 27 MHz and my story is a bit like yours. Dad gave me a 1-tube AM home broadcaster when I was in 5th or 6th grade. An older cousin gave me a Raytheon booklet of transistor projects of which RF oscillators were my favorites.

In those days people got AM radios repaired. One of dad's friends in that business gave me half a dozen unclaimed tube radios. They provided most of my RF components for several years.

I got a technician ham license in the early 1960s, but from 1971 on I moved so often I got tired of updating the FCC. Even having the license I built a kit 27 MHz walkie-talkie along with a couple friends who weren't licensed. The range was maybe 3 blocks.

One of my early transmitters ran on TV channels 2 and 3 (neither used in the southern Puget Sound basin where I've mostly lived). When I fed it modulation between 50 kHz and 2 MHz, counting the number of dark bands in a horizontal sweep gave the frequency (after a bit of arithmetic). Counting the number of bands in a vertical sweep measured frequencies between about 200 and 6,000 Hz.

My Heathkit AR-3 receiver tuned 27 MHz. Never listened to CB, but could hear my unlicensed transmitters on it.

My monitoring fell mostly into VHF and low UHF stuff I could hear on home-made regenerative receivers (no scanners back then). I built a UHF & microwave crystal set that could pick up civilian airport radar and military radio altimeters. A couple times that I heard airport radar while dad was driving we tracked down the airport. (As I recall an amplified microwave crystal set can pick up civilian radar about 5 miles out.)

During my (first of many) college years I built a 15 ☐ 20 kHz atmospheric noise monitor for an amateur astronomy club I belonged to. Also for that club I modified a TV receiver (strip charting AGC) to detect a Bay area TV station's signal reflected off meteors. (We could get away with that back then because channel 2 in Portland, OR went off the air around midnight leaving zip QRM.)

I never built a seismometer proper. But I hooked one up to a slow sweep medical oscilloscope for a museum demonstration.

More of my history (especially my TV studio to transmitter link experience) is under the "Other Part-15 Bands" thread at

http://www.radio-info.com/mods/posts.php?Cat=&Board=community

So I won't repeat it here.

I missed my chance to go to Antarctica with an atmospheric chemistry grad student I built instruments for. Liked her, too, darn it.

I recently built an 80 mW transmitter for 1638.8 kHz. Been running it AM, but am interested in seeing how far I can hear it as a QRSS beacon. Likewise, I've recently gained or regained interest in 15-20 kHz, 160 - 190 KHz, 13 MHz, 27 MHz and 49 MHz. I have crystals for 186.1, 187.2, & 188.2 kHz (dividing higher frequency crystals by 2) and 27 MHz.

Best regards,

Steven

382. New to the group

Yahoo group: 49megahertz
Date: 2004-02-09 14:44:10 UTC
From: Tom
Topic: 382 Message: 382

Hello to all 49ers,
My name to Tom Erwin and I just joined this group the other day. I am interested in this type of communication and enjoy tinkering with things such as this. I am a licensed amateur radio operator (WD9GON) and the QTH is Georgetown, Ky. I would be interested in learning what others are running and their experiences. It would seem from looking at the data base in this group that a TRC-509 seems to have a lot of information collected on it. Are there any other would be 49ers in Kentucky? What types of antennas are most 49ers using and modes. Are most using the audio from the units or using CW? I am wondering if you could run PSK-31 on one of these...something to think about....

Anyway, thanks for reading and hope to hear from others in the area.

73's Tom

383. Re: New to the group

Yahoo group: 49megahertz
Date: 2004-02-09 15:11:28 UTC
From: Steven Coles
Topic: 382 Message: 383

Tom,

Welcome.

All the commercial products I've seen for 49 MHz run AM or NBFM phone. I was thinking of QRSS.

I'm glad you brought up PSK-31. I hadn't looked into that, but it could add applications and improve range without the learning curve of QRSS. It sounds like you get the benefits of narrowband via audio filters rather than the extreme stability required by QRSS.

Regards,

Seven

384. Re: [49MHz] Re: New to the group

Yahoo group: 49megahertz
Date: 2004-02-09 17:23:00 UTC
From: tack188@aol.com
Topic: 384 Message: 384

Speaking of puting data on the air waves, would it be possible to put rtty on 49 mhz, theres a few free internet based programs that can do that with your PC sound card, that would be prety interesting, but I dont know if there are any filters in the unit that would cut out some of the data. I read somewhere about that being the problem with FRS radios.

PS welcome aboard
dave

385. [49MHz] Re: New to the group

Yahoo group: 49megahertz
Date: 2004-02-09 18:32:15 UTC
From: Steven Coles
Topic: 384 Message: 385

Dave,

Many 49 MHz devices use an older, smaller scale intergration than FRS. That woulld make changing filtering easier. If there'a a worry about voiding type acceptance, pre-emphasis (more properly compensating the modulating signal for system filtering before applying it to the transmitter) might be used without modifying the transmitter.

PSK-31 would be slower, but have greater range than traditional RTTY. With both traditional RTTY and PSK-31 software on the computer, we could try RTTY and switch, if needbe.

Steven

--- In 49megahertz@yahoogroups.com, tack188@a... wrote:
> Speaking of puting data on the air waves, would it be possible to put rtty on
> 49 mhz, theres a few free internet based programs that can do that with your
> PC sound card, that would be prety interesting, but I dont know if there are
> any filters in the unit that would cut out some of the data. I read somewhere
> about that being the problem with FRS radios.
>
> PS welcome aboard
> dave

386. Re: [49MHz] Re: New to the group

Yahoo group: 49megahertz
Date: 2004-02-09 21:04:51 UTC
From: tack188@aol.com
Topic: 384 Message: 386

Thanks for the reply steve, so you think its possible to run either PSK or RTTY by directly wiring say a radio shack 5 channel radio from the speaker jack on the computer to removing the piezeo micropohone and soldering the MIC wires on the radio to the speaker jack/wire setup? And then do the same for the rad shack radio's speaker to the computers microphone jack?

Perhaps I should let everyone know that im not a ham, so I dont have a great deal of experience with the technical workings of the radio. Some of it like basic positive and negative i understand, and a little bit on antennas, so thats why Im trying to use an old lap top and the 49mhz radio. If I knew of a MPJA or a Vectronics 49 mhz transmitter or transciever kit id get that, just to learn a little bit more about the things.

387. Radio Shack 49mhz intercom

Yahoo group: 49megahertz
Date: 2004-02-09 21:33:34 UTC
From: Tom
Topic: 387 Message: 387

Greetings 49ers

Well, in my travels today I went to radio shack and found one wireless intercom unit on sale for $10.00.
Channel A operates on 49.860
Channel B operates on 49.890
Price was right and I had my cool card.

Unit seems to work out of the box. Now on to hacking it up. Anyone know where I can find a schematic for a Cat No. 63-984 wireless door chime?
Seems like everything is going to to higher frequencies. That was about the only thing I found in the store that was 49mhz.
Upon looking inside of the unit, It looked as if it was xtal controlled and the ckt board is about 2.5 x 2.5 inches. I'm sure I am not the first guy to get one of these and wondering who has the schematic?

Thanks Tom

388. [49MHz] Re: New to the group

Yahoo group: 49megahertz
Date: 2004-02-10 04:15:11 UTC
From: Steven Coles
Topic: 384 Message: 388

Dave,

To be squeaky clean legal we'd use acoustic coupling□at least for transmitting. That would avoid voiding any type acceptance or other FCC approval the transmitter had. Acoustic coupling works for 1200 baud down. Staying at 1200 baud or below also keeps the modulation components in channel.

A scanner with an earphone jack could be patched directly to a sound card with no modifications. If a receiver doesn't have an earphone jack (for directly patching the received signal into a sound card), one could be added without modifying the transmitter.

Modifying the receiver side of a handheld transceiver shouldn't change the transmitter characteristics. Electrically coupling from the sound card to the transmitter microphone connections via an attenuator wouldn't modify the transmitter operation, if properly executed. Insufficient attenuation could over-modulate the transmitter. Over modulation can interfere with adjacent channels (perhaps more in AM than FM).

I don't know the legal implications of adding a headphone jack to a handheld transceiver. My guess is adding a microphone jack to any Part-15 transmitter voids whatever FCC acceptance the design has.

I'm guessing acoustic coupling would be ok legally. The 1200 baud limit of acoustic coupling isn't too horrid. The lower the baud rate the narrower the bandwidth. Narrower bandwidth produces greater the range.

In the late 1970s and early 1980s a few folks dialed into bulletin boards with 2400 baud acoustic coupling. If RTTY or similar got popular on 49 MHz, almost certainly someone would write software to start at 2400 baud and work down through 1200, maybe 600, 300, 110, and 31 to find the fastest usable rate.

I think 110 baud was used with an earlier 5-bit code. Maybe 150 would be a good rate to try with 8-bit ASCII. Alternatively, we might want to go back to a 7 or even 5-bit code to send more characters at the same baud rate.

Legally someone has to be at the transmitter and in control when it's on the air. No such rule applies to the receiver. So a receiver could continuously spool up slow packet data. A couple times a day an operator could retransmit the packets. That would give the effect of having (very slow) repeaters without violating any law I'm aware of.

I'm thinking most of this would be fun, but usually no more useful than dial up RTTY or data. However, a portable transceiver and laptop could communicate from places with no landlines. Conventions and power outages (which usually leave phone ones operating, but take down desktop computers) come to mind.

Regards,

Steven

389. Re: [49MHz] Radio Shack 49mhz intercom

Yahoo group: 49megahertz
Date: 2004-02-10 04:19:12 UTC
From: KD7JYK
Topic: 389 Message: 389

Is this the doorbell intercom?

Kurt
----- Original Message -----
From: Tom

Well, in my travels today I went to radio shack and found one wireless intercom unit on sale for $10.00.
Channel A operates on 49.860
Channel B operates on 49.890

390. Accoustic couplers.

Yahoo group: 49megahertz
Date: 2004-02-10 04:25:48 UTC
From: KD7JYK
Topic: 390 Message: 390

Good to hear about these again! We (friends, myself, local college) used accoustical couplers until 1993, I still have my desktop and portable couplers, not to mention the Modemfone!! Being a die-hard I still have a WWIV (World War 4) BBS running here in the shack. I could upload a picture if anyone is interested.

Kurt

"In the late 1970s and early 1980s a few folks dialed into bulletin boards with 2400 baud acoustic coupling."

391. Re: Radio Shack 49mhz intercom

Yahoo group: 49megahertz
Date: 2004-02-10 05:16:18 UTC
From: Steven Coles
Topic: 387 Message: 391

Tom,

Thank you for the heads up on the Radio Shack products. Think I'll run down and see whether the intercom's available locally.

When all else fails in obtaining schematics, open the device. Copy the numbers off the chip or chip set. Also try to identify the chip manufacturer. Surf for the data sheet and application notes. (Motorola sometimes calls them "linear briefs.") Very often the product deviates only slightly from suggested circuits in the data sheets, specification sheets, or application notes.

For consumer products you can also check repair sites. They sometimes have information on devices that cost more to repair than replace. Why I don't know, but I'm willing to use the info.

Older products than you describe:

Fairly old 49 MHz walkie talkies may show up in Sam's Photo Facts. In some cases the older units are rehashes of 27 MHz walkie talkies by the same company. The designs might be very similar in most respects. In the 3 & 4 transistor varieties using regenerative receivers (hisssssssssssssssssssssss), nearly all manufacturers used the same design. The schematic was printed as a communicator in an old Star Trek technical manual.

Somewhere I have a book with 27 MHz schematics, but can't put my hand on it this evening.

Regards,

Steven

392. PSK-31 & Digital Modes

Yahoo group: 49megahertz
Date: 2004-02-10 06:21:26 UTC
From: Steven Coles
Topic: 392 Message: 392

All,

If there's real interest in digital communications here, we might join forces with

http://groups.yahoo.com/group/unlicensedwireless/

which states,

"Discussion on the design, operation and deployment of outdoor wireless data networks using unlicensed radio spectrum, including equipment for such networks.

"The group covers the ISM bands (900MHz and 2.4GHz) and the UNII bands (5-6GHz), and any other unlicensed bands which exist, both within the USA and around the world.

"This group should be of most use to those deploying Wireless ISP service and designing equipment for that market."

On the other hand, they may be a bit upscale. I like doing what we do with inexpensive systems.

Regards,

Steven

393. Re: [49MHz] Radio Shack 49mhz intercom

Yahoo group: 49megahertz
Date: 2004-02-10 12:50:52 UTC
From: Tom
Topic: 389 Message: 393

yea, it has the boor bell button and voice button on the remote unit.
----- Original Message -----
From: KD7JYK
To: 49megahertz@...m
Sent: Monday, February 09, 2004 11:19 PM
Subject: Re: [49MHz] Radio Shack 49mhz intercom

Is this the doorbell intercom?

Kurt
----- Original Message -----
From: Tom

Well, in my travels today I went to radio shack and found one wireless intercom unit on sale for $10.00.
Channel A operates on 49.860
Channel B operates on 49.890

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49megahertz-unsubscribe@yahoogroups.com

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394. Re: [49MHz] Re: Radio Shack 49mhz intercom

Yahoo group: 49megahertz
Date: 2004-02-10 13:09:52 UTC
From: Tom
Topic: 394 Message: 394

Steven

Thanks for the ideas on finding information. I'll see what I can find again today. I didn't find too much yesterday but today is a new day. This is half the fun. I didn't think $10.00 was too bad of price for the unit. You can't even but the xtals in it and have then shipped to you home for what I got in it. I'll keep looking....
Thanks again..
Tom

----- Original Message -----
From: "Steven Coles" <scoles@...>
To: <49megahertz@yahoogroups.com>
Sent: Tuesday, February 10, 2004 12:16 AM
Subject: [49MHz] Re: Radio Shack 49mhz intercom

> Tom,
>
> Thank you for the heads up on the Radio Shack products. Think I'll
> run down and see whether the intercom's available locally.
>
> When all else fails in obtaining schematics, open the device. Copy
> the numbers off the chip or chip set. Also try to identify the chip
> manufacturer. Surf for the data sheet and application notes.
> (Motorola sometimes calls them "linear briefs.") Very often the
> product deviates only slightly from suggested circuits in the data
> sheets, specification sheets, or application notes.
>
> For consumer products you can also check repair sites. They
> sometimes have information on devices that cost more to repair than
> replace. Why I don't know, but I'm willing to use the info.
>
> Older products than you describe:
>
> Fairly old 49 MHz walkie talkies may show up in Sam's Photo Facts.
> In some cases the older units are rehashes of 27 MHz walkie talkies
> by the same company. The designs might be very similar in most
> respects. In the 3 & 4 transistor varieties using regenerative
> receivers (hissssssssssssssssssssss), nearly all manufacturers
> used the same design. The schematic was printed as a communicator
> in an old Star Trek technical manual.
>
> Somewhere I have a book with 27 MHz schematics, but can't put my
> hand on it this evening.
>
> Regards,

>
> Steven
>
>
>
>
>
> Yahoo! Groups Links
>
>
>
>
>

395. 49 MHz Kitch

Yahoo group: 49megahertz
Date: 2004-02-16 05:35:08 UTC
From: Steven Coles
Topic: 395 Message: 395

All,

My most up kitsch second-hand shop 49 MHz find so far: A pair of walkie-talkies in the shape of PokeyMon creatures. They are on 49.860 MHz.

Can anybody top that? How does England get along without these wonderful items?

Steven

396. Re: [49MHz] 49 MHz Kitch

Yahoo group: 49megahertz
Date: 2004-02-16 10:29:43 UTC
From: KD7JYK
Topic: 396 Message: 396

49 MHz Barbie Doll "Cellular Telephones", a transmitter for a Teddy Ruxpin doll and a radio remote controlled girl on a skateboard doll!

Kurt

----- Original Message -----

From: Steven Coles <scoles@...>
> My most up kitsch second-hand shop 49 MHz find so far: A pair of
> walkie-talkies in the shape of PokeyMon creatures. They are on
> 49.860 MHz.
>
> Can anybody top that? How does England get along without these
> wonderful items?

397. Re: 49 MHz Kitch

Yahoo group: 49megahertz
Date: 2004-02-16 21:33:51 UTC
From: Nigel Homer
Topic: 395 Message: 397

Hi Steve,

We get stuff like this, its just not that popular with kids over here.
Most of the 49 Mhz stuff shown on the club web site has been on sale over here. We used to have Tandy, a sort of budget version of Radio Shack, so things like the 5 channel walkie talkies are out there for the finding.

I've manged to erm.......... long term borrow a CamLink MG-49S2 49 Mhz radio Mike from work. Its been in a cupboard for years & when I asked if I could borrow it I was met with a look of surprise that we actually had one !!! I've had it for 6 months & nobody has questioned where it is, so its almost safe to say its sort of mine. Its FFC part 15 approved & DTI MPT1336 Licence exempt. Anyone recognise it/ tried one ????

Tx freq's are 49.830 & 49.890. These two frequencies are occupied locally by two brat monitors, strangely I've yet to hear any of the screaming brats on it that I often hear with my very deaf Alinco scanner.

So far all I've done is remove the tiny Rx Antenna & replace it with one that extends to around a meter. There is no Tx Antenna, but looking at the Tx & "dabbing" a 1/4 wave wire in a few likely places improved the received signal.

Audio quality isn't great, but then again a crystal controlled FM Tx is very difficult to get good deviation from.
I've plugged the O/P of my Worldspace Satelite Rx into the Tx & can now listen to Radio Caroline away from the Sat Radio.

I remember a few bug type circuits from a while back that could be pulled down to these band
Hmm.....

Nigel
Birmingham, England

398. Re: [49MHz] 49 MHz Kitch

Yahoo group: 49megahertz
Date: 2004-02-17 06:37:48 UTC
From: Steven Coles
Topic: 396 Message: 398

Kurt,

Wow! You've got me beat.

Steven

399. Re: 49 MHz Kitch

Yahoo group: 49megahertz
Date: 2004-02-17 06:56:25 UTC
From: Steven Coles
Topic: 395 Message: 399

Nigel,

If you can figure out the CamLink MG-49S2 49 MHz wireless mic's crystal arrangement, you might order crystals for an unused channel. Many 49 MHz devices use 18 MHz 3rd overtone crystals followed by a tripler to get on frequency. I use the counter on a Radio Shack 22-168 meter to find oscillator frequencies. It's doesn't have nearly as many digits as a dedicated counter, but once I get a close number, I can calculate a more exact number by knowing what the transmit frequency must be.

Over here Tandy is an umbrella name for the company that owns Radio Shack and off and on other things (leather stores, computer stores--now both have disappeared from this area).

I understand OffCom doesn't have anything like Part-15 for your AM & FM broadcast bands. Does it have some sort of provisions for baby monitors & wireless microphones? If I remember correctly, you already said, "No." Are the baby monitors and wireless microphones gray market items?

Regards,

Steven

400. Re: 49 MHz Kitch

Yahoo group: 49megahertz
Date: 2004-02-17 21:08:30 UTC
From: Nigel Homer
Topic: 395 Message: 400

Hi Steven,

At one time there was no provision for 49 Mhz at all in
our "Spectrum Management Plan" however so much stuff was coming in
from the USA & China that it was decided to just approve them to
avoid the headache, but its still a bit of a grey area. The main
rule is with 49 Mhz, no extending the antenna's (oops ;-) & no
beaconing or broadcasting :-(

Still as they are low power & not on a protected band I doubt I'll
get a knock on the door (or it blown off its hinges as is usualy the
case) we dont get a nice letter asking us to be good chaps & .stop.

Not sure on the Xtals thing, I think I'll see how I get on with what
I'm trying to do & then look into it.
Need to find some more 49 Mhz stuff, a certain bug seems to have
bitten, time to try the Car Boot Sales at the weekend I think

Nigel

401. Re: 49 MHz Kitch

Yahoo group: 49megahertz
Date: 2004-02-18 06:04:33 UTC
From: Steven Coles
Topic: 395 Message: 401

Nigel,

"we dont get a nice letter asking us to be good chaps & .stop."

So much for my illusion of everything being done polite and proper in the mother land.

"time to try the Car Boot Sales at the weekend I think"

Thank you for reminding me. I haven't been to the antique radio parking lot sales since I got a living income. It's somewhat specialized. I've seen hundreds of fire FETs there.

Regards,

Steven

402. Mailbox Alert Frequency?

Yahoo group: 49megahertz
Date: 2004-02-22 21:26:23 UTC
From: Steven Coles
Topic: 402 Message: 402

All,

Does anybody here know what frequency those mailbox alert
transmitters, such as the one Radio Shack sells, operate on?
Anybody find any alternative uses for them?

Steven

403. Re: [49MHz] Mailbox Alert Frequency?

Yahoo group: 49megahertz
Date: 2004-02-22 22:10:22 UTC
From: KD7JYK
Topic: 403 Message: 403

310 MHz. The casinos around here put them in the cash drawers.

Kurt

404. Re: [49MHz] Mailbox Alert Frequency?

Yahoo group: 49megahertz
Date: 2004-02-23 00:35:29 UTC
From: Steven Coles
Topic: 403 Message: 404

Kurt,

Thank you. My daughter works in a casino here. I'll have to ask her whether they do the same.

Steven

405. new to group

Yahoo group: 49megahertz
Date: 2004-02-24 06:17:27 UTC
From: allanegleston
Topic: 405 Message: 405

greetings. Am new to the group. Am a ham radio operator, kf6uxj.
have been into all aspects of radio.
thanks. 73s Allan kf6uxj.

406. Re: new to group

Yahoo group: 49megahertz
Date: 2004-02-25 06:12:49 UTC
From: Steven Coles
Topic: 405 Message: 406

Allan,

Welcome. Looks like everybody else is celebrating Mardi Gras.

Are you willing to say more, like: How do you like to use or plan to use 49 MHz Part-15? Favorite Part-15 equipment? Favorite amateur radio bands? Other Part-15 interests?

I've been thinking about a combination 49 MHz and 6 meter to 80 or 40 meter receiving converter. Guess a simple converter would switch local oscillator crystals for 49.5-50 MHz, 50-50.5 MHz, and 50.5-51.0 MHz. Do you have any thoughts about converters or other homebrew equipment?

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "allanegleston" <allanegleston@y...> wrote:
> greetings. Am new to the group. Am a ham radio operator, kf6uxj.
> have been into all aspects of radio.
> thanks. 73s Allan kf6uxj.

407. re: new to the group

Yahoo group: 49megahertz
Date: 2004-02-26 03:38:10 UTC
From: allanegleston
Topic: 407 Message: 407

Hi, nice to meet you.
Right now I have 2 49 mhz radio shack fm ht's.
Currently have argo and digi-pan. Would like to play with qrss, slow scan and narrow band telivision setups. Would like to also broadcast music. I would also like to set up a murs and frs station also.
As for ham, i am a codeless tech with the calls kf6uxj. mainly hover around 2m. As for homebrewing a soldering iron is a deadly weapon for me(dexterity issues here). Am also a swl and a scanner listener.
Am currently Broadcasting part 15 on am and fm. hope this helps. 73s
de Allan kf6uxj

408. Re: new to the group

Yahoo group: 49megahertz
Date: 2004-02-26 04:21:07 UTC
From: Steven Coles
Topic: 407 Message: 408

Allan,

Thank you for telling us more about yourself.

MURS is new to me. From a quick search I understand it to operate near 150 MHz and have rules something like CB.

I assume that, like others of us with amateur radio licenses, you like the challenge of lower power radio services?

Most Part-15 groups have slow periods. Presumably, other participants will be posting again soon. We should be seeing some more good threads.

Best regards,

Steven

409. DSI Digi-Tech Flip Phone

Yahoo group: 49megahertz
Date: 2004-02-26 05:03:52 UTC
From: Steven Coles
Topic: 409 Message: 409

All,

A local Rite Aid carries the DSI Digi-Tech Flip-Phone 4-transistor walkie talkies. The number of pairs ($15/pair) on the shelves declined by one between my first noticing them and looking again two days later. (I bought a remaining pair to investigate.) Apparently, some parents still give these to their children in preference to FRS. The appeal to children may be the cell phone like appearance. The units are a bit larger and lighter than cell phones.

These walkie talkies have a separate microphone, removing the constant ear to mouth moves of most children's' walkie talkies. One switch provides off, low volume, and high volume settings. The entire simulated touch-tone pad functions as a telegraph key. An un-cell-phone like push-to-talk switch remains. The circuit board (2 screws are under the back sticker) contains a crystal--presumably for transmitter frequency control.

At short range my Radio Shack 403s pick up these walkie talkies on channels B, C, D, and E with the best reception on C. The package is dated 1999. Each walkie talkie requires one 9-volt battery.

Regards,

Steven

410. Legal Unlicensed Transmitter Technology Group

Yahoo group: 49megahertz
Date: 2004-02-28 18:24:18 UTC
From: Steven Coles
Topic: 410 Message: 410

All,

I'm starting a new Yahoo technical group intended to cross the boundaries between various unlicensed communications applications and frequencies. The meeting place is the Legal Unlicensed Transmitter Technology group at:

http://groups.yahoo.com/group/LUTT/

It's a place to exchange technical tips and ask questions to persons who may have solved the same problem, but in a different application or on a different frequency. My motivation is that many Part-15 and other unlicensed transmitter groups have become so specialized, they never contribute to nor acquire technical skills outside their own circles. I'm hoping to stimulate some exchange of ideas that can be taken back to specialty groups to stimulate exploiting new approaches.

Steven

411. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-03-01 12:03:24 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 411

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

412. Re: new to the group

Yahoo group: 49megahertz
Date: 2004-03-02 08:52:44 UTC
From: John H. Guetherman
Topic: 407 Message: 412

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
wrote:
> MURS is new to me. From a quick search I understand it to operate
> near 150 MHz and have rules something like CB.
>
> Best regards,
>
> Steven
>

Some MURS info for those interested:

http://wireless.fcc.gov/services/personal/murs/

http://www.provide.net/~prsg/murshome.htm

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

413. Re: new to the group

Yahoo group: 49megahertz
Date: 2004-03-02 21:28:43 UTC
From: Steven Coles
Topic: 407 Message: 413

John,

Thank you for the information.

My comment must look rather strange. I had 2 groups open and posted
to the wrong group.

Regards,

Steven

414. 49MHz News Update

Yahoo group: 49megahertz
Date: 2004-03-02 14:26:08 UTC
From: 49MHz Experimental Radio Club
Topic: 414 Message: 414

Hi all,

It's about that time of month again for me to start filing away the club membership applications that I've received!

So far, I have one email application and two applications sent by snail mail.

Are there any others who didn't have their applications processed in the past? I fixed the problems I was having with the database, but there are still some inconsistencies among some people who may not have received their information.

So if you didn't get yours, please re-apply to let me know. Mark in the Comments field that you'd already applied.

In related news, I also picked up two Maxon 49H5 radios for parts at a recent hamfest. They still work decently, but they're in very bad shape. I'll have to take a look in the Files area and see what I can find.

73,

Michael 49H3MA
President, 49MHz ERC

415. good source for 49 mhz h.ts

Yahoo group: 49megahertz
Date: 2004-03-03 03:37:38 UTC
From: allanegleston
Topic: 415 Message: 415

Am looking for places (websites and actual radio equipment dealers) to find 49 mhz radios. H.ts are o.k. Currently have w radioshack fm childrens rigs. I have seen a number of references to "maxon" rigs. Does maxon have a webpage or a snail mail address in which i can find such equipment. Such rigs for me must have a earphone and mic jack on the rig. For a "base station", am looking at a radioshack 49mhz intercom. Also want to get a frs wireless intercom for base operations.
73's de Allan Egleston, kf6uxj

416. 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-09 00:40:47 UTC
From: allanegleston
Topic: 416 Message: 416

What is the history of these frequencies?
I know that 49 mhz was used at 1 time for t.v channel 1 and f.m.
broadcasts and there was a fight on who would use the spectrum and
neither got these frequencies. When did the band become part 15?
73's Allan

417. Re: [49MHz] 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-09 05:10:49 UTC
From: 49MHz Experimental Radio Club
Topic: 416 Message: 417

Very interesting thread...

I'm not sure about the age of the Part 15 classification for 49MHz, but a few years ago there was an Association For The Promotion of 49MHz which was, if I recall correctly, pretty much the same as this club. I'm still trying to track down people who were members to see if they have any newsletters, but it seems that membership in this club was fairly low.

73,
Michael
49H3MA
President, 49MHz ERC

On Mar 8, 2004, at 7:40 PM, allanegleston wrote:
> What is the history of these frequencies?

418. Re: [49MHz] 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-09 13:18:40 UTC
From: Rev. Robert P. Chrysafis
Topic: 416 Message: 418

Hey Micheal,

I emailed in my application for membership to your club and have not received anything back. if you could email kc8gpd28@...

thanks,

Rev. Robert P. Chrysafis
Universal Life Ministries [ULC]

88.3 FM Stereo 1000 AM Stereo
100,000 MicroWatts of Community Power!!

419. Re: [49MHz] 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-09 15:04:05 UTC
From: Tom
Topic: 416 Message: 419

I also e-mailed my application for membership and have heard nothing yet.
The first of the month has passed, maybe the group isn't active anymore.

73's
Tom Erwin
terwin3@...

----- Original Message -----
From: Rev. Robert P. Chrysafis
To: 49megahertz@yahoogroups.com
Sent: Tuesday, March 09, 2004 8:18 AM
Subject: Re: [49MHz] 49mhz history

Hey Micheal,

I emailed in my application for membership to your club and have not received anything back. if you could email kc8gpd28@...

thanks,

Rev. Robert P. Chrysafis
Universal Life Ministries [ULC]

88.3 FM Stereo 1000 AM Stereo
100,000 MicroWatts of Community Power!!

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a.. To visit your group on the web, go to:
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420. Re: [49MHz] 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-09 15:11:16 UTC
From: 49MHz Experimental Radio Club
Topic: 416 Message: 420

It's active, all right. :-)

I have both of your applications in my file, but since I don't pay anybody to process applications or anything, I have to settle for processing them myself around the first of every month.

73,
Michael
49H3MA
President, 49MHz ERC

421. 49 MHz History of Technology

Yahoo group: 49megahertz
Date: 2004-03-10 02:31:57 UTC
From: Adam Ebel
Topic: 421 Message: 421

49 MHz reception is 20th century technolegy, while FRS is the 21 st century of walkie talkies of today. Back in the 80's I remember the TV commercials for those GI Joe walkie talkies. Then is 1988 I got a pair of look alikes that that had vertical telescoping rod antenna, and were black with a gray talk and volume control. Then there the radios of the 80's faded away, and got better with VOX technology in 1995.

1979 -1982 49 MHz Radios for the Kids Being Used
1984 GI Joe Radios were popular
1986 49 MHz Baby Monitors were in session
1989 49 MHz Radios were getting cheap and accessable
1992 VOX Technolegy and Minature Look alike phone W/Ts
1996 Cell Phone Look Alike and VOX Toy Deals, Duplex
1999 Duplex, 49 MHz is dying out
2000 49 MHz get pulled off Radio Shacks Shelf

More to come on this soon.

422. 40mhz history of tehcnology

Yahoo group: 49megahertz
Date: 2004-03-10 03:02:37 UTC
From: allanegleston
Topic: 422 Message: 422

Thanks to all who resopnded to my querry.
73's De Allan kf6uxj

423. Re: [49MHz] 49mhz history/extra hobby tips.

Yahoo group: 49megahertz
Date: 2004-03-10 03:09:29 UTC
From: Adam Ebel
Topic: 416 Message: 423

BTW, Mike where is my password for the members only site? I tried to enter in my email address and it did not register. My 49 MHz handle is 49N4AE since 2002. The 49 MHz rigs are going back on air this spring. The reason why the rigs were off air this winter cause of the short distance, and also the weather was too unconfortable.

HOBBY TIPS FROM ELECTRONIC DX.

49 MHz should go digital for more channels and bandwidth. Also 49 MHz needs more attention from the hobbyists and stand alone broadcasters of hobby broadcasting on a temporary basis. Baby Monitors need to be on 2.4 GHz and 5.8 GHz for better range and security. Those baby monitors need to be discontinued to be used on 49 MHz, so is the cordless phones. We need to keep the 49 MHz 5 channels free from these personal sources, for hobbyist contesting and DXing, and also using sending and receiving packet data.

Now baby monitors could be used for a good base station transmitter but the microphone has to go and to be used with a audio mixer with microphone. Also it can be used for sending low speed data, and also major broadcasting messages. But remember they might not be part 15 since they are stronger than regular walkie talkies, also they go farther than transceivers. Also they can be the gate to distant 49 MHz reception that is disired, so try to be patient and use a highly directional antenna for nulling out the baby monitor signals.

Also keep in mind that collecting remote control cars will steer you in the right direction. Also remote control cars can be used with the motor circuits to rotate a antenna or something interesting. Also if the signal was digital, you can activate a continous signal to spin a fan blade. or use it to generate to crank a battery charger. Think about it.

http://www.phys.unt.edu/~klittler/demo_room/e&m_demos/5k40_80.html

--- In 49megahertz@yahoogroups.com, 49MHz Experimental Radio Club <49MHzERC@h...> wrote:
> It's active, all right. :-)
>
> I have both of your applications in my file, but since I don't pay
> anybody to process applications or anything, I have to settle for
> processing them myself around the first of every month.
>
> 73,
> Michael
> 49H3MA

> President, 49MHz ERC

424. Re: [49MHz] 49mhz history/extra hobby tips.

Yahoo group: 49megahertz
Date: 2004-03-10 05:07:33 UTC
From: 49MHz Experimental Radio Club
Topic: 416 Message: 424

On Mar 9, 2004, at 10:09 PM, Adam Ebel wrote:
> BTW, Mike where is my password for the members only site? I tried
> to enter in my email address and it did not register. My 49 MHz
> handle is 49N4AE since 2002.   The 49 MHz rigs are going back on air
> this spring. The reason why the rigs were off air this winter cause
> of the short distance, and also the weather was too unconfortable.

Oh yeah... the members-only site. :-)

That was sort of a project that failed, the original plan was to have a full-featured website for members including a special YahooGroup for members only and access to newsletters.

But there wasn't really anything to be discussed for members only by private YahooGroup, and there weren't any newsletters, so right now it's just an empty shell. The members page is far out of date as well... a year or two ago one of our tech-savvy members suggested doing free hosting for very small pages for members about 49MHz. Good idea, but nobody, including that member, had anything to post, so I ended up doing the quasi-profile things that are there now.

I've been working on and off on a replacement for the old site with the items from the files section, schematics, information, and so on. I don't have too much time to work on it, but it will get finished. Eventually. Possibly this year. :-) Just kidding of course, seriously it should be finished this year.

73 de Michael 49H3MA
President, 49MHz ERC
http://www.qsl.net/49mhz/

425. 49mhz on balloon

Yahoo group: 49megahertz
Date: 2004-03-10 05:43:41 UTC
From: Rochte, Robert
Topic: 425 Message: 425

Some of you might have seen the recent ARRL article about one of my solar Montgolfieres:

http://www.arrl.org/news/stories/2004/03/03/103/?nc=1

I am considering the inclusion of a 49mhz beacon transmitting MCW or possibly true CW (and QRSS at that) on a future flight, just to see what happens.

My questions:

1. Has anyone actually achieved any sort of DX on 49mhz? If so, how far?

Perhaps more importantly...

2. Whether I choose MCW or QRSS CW, will anyone be listening anyway??

All feedback appreciated... Thanks much!

73,
Robert
KC8UCH

--
Robert Rochte
Director of Technology
The Grosse Pointe Academy
171 Lake Shore Road
Grosse Pointe Farms, MI 48236
Tel. +1 313-886-1221 x155
FAX +1 313-886-1418
www.gpacademy.org

426. Re: 49mhz on balloon

Yahoo group: 49megahertz
Date: 2004-03-10 06:48:41 UTC
From: Steven Coles
Topic: 425 Message: 426

Robert,

Considering W7LHL has worked tropo scatter with 1.2 watts on 10 GHz, I think chances of 49 MHz DX are good. For QRSS you might want to operate between the usual channels.

If you announce your intentions on a beacon hunter hang out, the ones that can tweak a 6 meter converter or something to listen to your frequency will probably try it. Sorry I don't have a beacon site right off. I've seen plenty, just haven't bookmarked them. The 6 meter converter I had in the 1960s included some extra at each end. 49.890 MHz was certainly within its unmodified reach. Best if you can give folks a few weeks advance warning to make sure whatever they listen with is working ok.

Regards,

Steven

427. Re: 49mhz on balloon

Yahoo group: 49megahertz
Date: 2004-03-10 10:29:06 UTC
From: John H. Guetherman
Topic: 425 Message: 427

If I'm available at home when you launch, I'll program the channels into my scanner and listen. I'll also listen on my two TRC-512's. I can't monitor if I'm at work.

I do have at least two baby monitors in my neighborhood. One on 49.830 and one on 49.870. (Yes, offset -5 kHz from .875.) I think there's another somewhat more distant one on 49.845 as well.

So, 49.860 or 49.890 would be the best choices for me, at least.

Michael, I sent an application in quite some time ago, but never recieved anything back. Where do I go to fill it out again?

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

--- In 49megahertz@yahoogroups.com, "Rochte, Robert" <rrochte@g...> wrote:
> I am considering the inclusion of a 49mhz beacon transmitting MCW or possibly true CW (and QRSS at that) on a future flight, just to see what happens.
>
> My questions:
>
> 1. Has anyone actually achieved any sort of DX on 49mhz? If so, how far?
>
> Perhaps more importantly...
>
> 2. Whether I choose MCW or QRSS CW, will anyone be listening anyway??
>
> All feedback appreciated...Thanks much!
>
> 73,
> Robert
> KC8UCH
>
> --
> Robert Rochte
> Director of Technology
> The Grosse Pointe Academy
> 171 Lake Shore Road
> Grosse Pointe Farms, MI 48236
> Tel. +1 313-886-1221 x155

> FAX +1 313-886-1418
> www.gpacademy.org

428. Re: 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-10 14:31:13 UTC
From: Steven Coles
Topic: 416 Message: 428

Allan,

Here's a couple hits on 48-54 MHz as TV channel 1.

http://www.discovery.com/area/skinnyon/skinnyon971031/skinnyon.html

http://archer2000.tripod.com/1940.html

But nothing about how it became 6 meter ham and 49 MHz Part-15.

The 1947 ARRL Radio Amateur's Handbook, p. 12 shows a 50-54 Mc (and a 235-240 MHz) amateur radio band. It says press time was late summer 1946.

Regards,

Steven

429. Re: 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-11 03:04:08 UTC
From: Steven Coles
Topic: 416 Message: 429

Allan,

Here's a bit more:

http://www.tech-notes.tv/History&Trivia/Channel%20One/Channel_1.htm

http://members.aol.com/jeff560/tvch1.html

http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-234741A1.pdf

See page 6.

Regards,

Steven

430. 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-11 14:27:46 UTC
From: allanegleston
Topic: 416 Message: 430

Thank you for the neat information on t.v channel one!
Just got my internet back after a days outage. S.B.C put in some new software for their digital swithces, and the software failed, greating a system wide outage for 56 k dial up subscribers. Stuff happens.! 73s' de Allan kf6uxj/kae4466

431. Re: 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-11 20:17:09 UTC
From: John H. Guetherman
Topic: 416 Message: 431

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
wrote:
> ...nothing about how it became 6 meter ham and 49 MHz Part-15.
>
> The 1947 ARRL Radio Amateur's Handbook, p. 12 shows a 50-54 Mc (and
a 235-240 MHz) amateur radio band. It says press time was late summer
1946.
>
> Regards,
>
> Steven
>

If I recall correctly, the book "200 meters and down", a history of
Amateur Radio, had some information in it, at least regarding the 6
meter band. I don't know offhand where my copy is. Anyone else?

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

432. Re: 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-12 03:48:07 UTC
From: Steven Coles
Topic: 416 Message: 432

All,

In the mean time, would you believe there's a page dedicated to collecting 42-49 MHz FM broadcast receivers? Well of course there is:

http://www.geocities.com/CapeCanaveral/9178/radios/fm45.html

How many of these were made? Who would have kept one after 1948?

Just another page in the history of the 49 MHz region.

Regards,

Steven

433. 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-12 04:21:35 UTC
From: allanegleston
Topic: 416 Message: 433

read with interest the history links that Steve Coles and other have sent to this thread. I also read some of the posts that electronic dx had sent on clearing the current and original part 15 49 mhz spectrum with intrest also. here is some of my thougts also.
1: could it be possibe through a report and order to clear those devices and alocate those devices in another part of the 49 mhz spectrum. 2 : have anyone thought of using ctss(pl tones) on the 49 mhz spectrum to cut interferance? 3: is there any way to use a forwarding repeater on 49 mhz? and 4:has any one thought of applying for a part 5 license (experimental radio license) to allow for higher powers. Note: I belong to a low frequency and high frequency list where some of the users have applied for part 5 on the frequencies of 160-190 kc 73 kc and others, understanding the limit of part 15 rules. 73's Allan.

434. Re: [49MHz] Re: 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-12 14:01:44 UTC
From: Adam Ebel
Topic: 416 Message: 434

Steve, That so cool, that we actully the FM band existed there below 87.5 MHz I have a feeling that 108 to 137 will be the next broadcast band in the future , and aircraft will use the 250 MHz to 400 MHz region. Just wait and see. Who knows. And our cell phones will move in the 2.4 to 2.8 GHz range. We know now that is existing that 462 to 467 MHz is used by kids and adults that could have been on 49 MHz radio. Thanks for the historic report. But remember 49 MHz and FRS will go digital adding more subchannels and more opportunities such as ID and such. Just be patient.

electronicdx.

Steven Coles <scoles@...> wrote:
All,

In the mean time, would you believe there's a page dedicated to collecting 42-49 MHz FM broadcast receivers? Well of course there is:

http://www.geocities.com/CapeCanaveral/9178/radios/fm45.html

How many of these were made? Who would have kept one after 1948?

Just another page in the history of the 49 MHz region.

Regards,

Steven

Yahoo! Groups Links

Do you Yahoo!?
Yahoo! Search - Find what you?re looking for faster.

435. [49MHz] Re: 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-13 02:54:31 UTC
From: Steven Coles
Topic: 416 Message: 435

ElectronicDX,

Thank you. I've been amazed at the technical history ordinary folks discover when each member of a small group stays on the look out for information.

A group I chatted with, mostly crystal set builders went on the lookout for transistor history a couple or three years back. Not only did we find tracks from Bell Labs invention to the other companies offering early transistors, we found patents and publications claiming solid state amplifying devices stretching back twenty years before Bell Lab's announcement.

As you've probably noticed, I've posted a file about post WWII home broadcasting on my own site. Shortly, I'll be adding information about home broadcasters found in a mid-1950s Raytheon CK722 booklet.

As for three-year predictions about communications technology there's the FCC data base. Essentially every proposal for rule changes becomes public information there. When you see a proposal submitted and resubmitted in ever more polished form with some powerful businesses behind the change, chances are it will be approved within 3 or 4 years.

Beyond 5 years, predictions get cloudy. After the FCC removed channel 1 from TV service, some broadcasters thought everything through channel 5 would be changed to other services. In my home town KTNT and KMO radio stations snatched up channels 11 and 13 for their TV stations.

To establish good coverage up and down the Puget Sound, KTNT sited their transmitter in a place nearly line of sight all along the central sound, but rural and isolated. Transmitter locations remote from studios increase studio to transmitter link (STL) microwave finickiness and power outages. With channels 4, 5, & 7 clustered on a hill in Seattle, hardly anybody pointed their antennas at the KTNT and KMO TV stations (which were also widely separated from each other).

The change the FCC did make was limiting aural transmitter power. KMO, after becoming KTVW, had to decommission their aural final amplifier. It set un-powered for nearly 2 decades until parted out to refurbish the visual final amplifier. (Maybe we should ask the FCC to allow 100 mW aural and 500 mW visual Part-15 transmitters on unused TV channels. But that's another rational.)

Eventually, cable made transmitter location nearly irrelevant and channel 11 moved to a location offering reliable STL operation and power. They still stock generator fuel. But they don't need a 4-day stockpile. Yes. Only a decade ago I experienced 2 4-day power outages while living a few blocks from KTNT's old transmitter site.

So much for early TV broadcasters here trying to predict the future.

Regards,

Steven

436. Re: [49MHz] Re: 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-13 04:56:01 UTC
From: KD7JYK
Topic: 416 Message: 436

I have solid state devices used in US radar dated 1941 and some silicon wafers dated 12/47. I also have a handfull of wafer prototypes I got from an old timer who claimed to have worked with a company developing solid state devices in the late 1940's, he had piles of some of the most bizaar looking silicon devices and transistors I ever saw, I should have bought the whole lot. Very strange looking things, I'll have to put pictures of these on the web one day.

Kurt

> A group I chatted with, mostly crystal set builders went on the
> lookout for transistor history a couple or three years back. Not
> only did we find tracks from Bell Labs invention to the other
> companies offering early transistors, we found patents and
> publications claiming solid state amplifying devices stretching back
> twenty years before Bell Lab's announcement.

437. TRC-512's in Canada Radio Shack's?

Yahoo group: 49megahertz
Date: 2004-03-14 02:16:09 UTC
From: John H. Guetherman
Topic: 437 Message: 437

Supposedly, the 5-channel radios are available on clearance in some
Canadian Radio Shack stores. $10 Canadian. May be worth checking into.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

438. [49MHz] Re: 49mhz history

Yahoo group: 49megahertz
Date: 2004-03-16 01:53:33 UTC
From: Steven Coles
Topic: 416 Message: 438

Kurt,

When you post pictures, please let me know.

Regards,

Steven

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@r...> wrote:
> I have solid state devices used in US radar dated 1941 and some
silicon
> wafers dated 12/47. I also have a handfull of wafer prototypes I
got from
> an old timer who claimed to have worked with a company developing
solid
> state devices in the late 1940's, he had piles of some of the most
bizaar
> looking silicon devices and transistors I ever saw, I should have
bought the
> whole lot. Very strange looking things, I'll have to put pictures
of these
> on the web one day.
>
> Kurt
>

439. got my first frs rig

Yahoo group: 49megahertz
Date: 2004-03-16 04:36:34 UTC
From: allanegleston
Topic: 439 Message: 439

Just got my first frs rig to-day. the frs rig will be next to my
single channel 49 mhz (49.830) and my single chennel cb ht.
My impressionns on the license free radio bands are as follows.
1: frs. fm voice only. 500 miliwatts erp.
2: murs. 4 channels, no broadcasting, beaconing on a continous basis.
No television. 27 foot antennas.
3: 49 mhz 100 miliwatts erp all modes including broadcasting.
4: 13.5 mhz. no antennaa limit. 10 mw erp
5: cb band 100 miliwatts, all modes. no antenna restrictions
6: 88-108 10 mw (very short range)
7: 54-1700 kc 100 miliwatts, all modes, narrow band television.
9 ft 9 inch antennas.
8: 160 -190 kc 1 watt erp. 60 foot antennas
9: 8 kc. no antenna limits, no power restriictions.
73's de Allan kf6uxj/kae4466

440. Re: got my first frs rig

Yahoo group: 49megahertz
Date: 2004-03-16 05:08:25 UTC
From: Steven Coles
Topic: 439 Message: 440

Allan,

Quite a hodge-podge isn't it? You could add 900 & 2400 MHz to the list. And somewhere out there beyond 300 GHz the rules become the same as at 8 kHz. Di you know that an LED can receive on the same wavelength it generates?

To be perfectly proper some of those bands have volts per meter field strength limits, rather than erp. But it converts.

The bigger challenge is keeping track of activities within range of your location. I have receiving equipment on all the bands you list, but MURS. I can transmit on 160-190 kHz (much below the power limit so far), 540-1700 kHz, 27 MHz, 49 MHz, 88-108 MHz, and FRS. Each one has something I like.

I could buy a programmable scanner to search for activity. But as far as I know a scanner can't tell Part-15 from commercial broadcast or CB.

Would be interesting to know how often part-15 enthusiasts make contact by chance.

Hope you run into some FRS operators in your area.

Regards,

Steven

--- In 49megahertz@yahoogroups.com, "allanegleston" <allanegleston@y...> wrote:
> Just got my first frs rig to-day. the frs rig will be next to my
> single channel 49 mhz (49.830) and my single chennel cb ht.
> My impressionns on the license free radio bands are as follows.
> 1: frs. fm voice only. 500 miliwatts erp.
> 2: murs. 4 channels, no broadcasting, beaconing on a continous basis.
> No television. 27 foot antennas.
> 3: 49 mhz 100 miliwatts erp all modes including broadcasting.
> 4: 13.5 mhz. no antennaa limit. 10 mw erp
> 5: cb band 100 miliwatts, all modes. no antenna restrictions
> 6: 88-108 10 mw (very short range)
> 7: 54-1700 kc 100 miliwatts, all modes, narrow band television.
> 9 ft 9 inch antennas.
> 8: 160 -190 kc 1 watt erp. 60 foot antennas
> 9: 8 kc. no antenna limits, no power restriictions.
> 73's de Allan kf6uxj/kae4466

441. re: got my first frs rig

Yahoo group: 49megahertz
Date: 2004-03-16 15:28:08 UTC
From: allanegleston
Topic: 439 Message: 441

Yes it is, and dont forget the brief contact part 15 frequencies
either.
Also laser communications is avaliable also.
My ham elmer has the frs frequennncies programmed into his uhf rig,
and he hears a lot of "in the clear" traffic" (lots of children-hope
some of thse inspire to become a ham)in the area that I live.
73's Allan

442. thoughts

Yahoo group: 49megahertz
Date: 2004-03-17 05:05:03 UTC
From: allanegleston
Topic: 442 Message: 442

There was someone who suggested 100 milliwatt tv trannsmitters on the regular television band via tv translaters. The f.c.c, a.r.r.l ,comercial broadcaster banned part 15 transmitters on the regular t.v band as causing interferencce to comercial broadcasters. There were plans for morse code transmitters and transmitters that transmitted a flashing signal to the television along with voice. There were a few that were allowed to stay such as ramsey has one on ch3. the comercial made devices were moved to the 902 mc band. I understand under most cerumstances the range was very small, a few feet. Some of the regular p15 television devices were supposedly used in "pirate operations."
Am wondering if any one has played with slow scan television or narrowband television on p15 49 mhz channels?
73's Allan kf6uxj

443. Re: thoughts

Yahoo group: 49megahertz
Date: 2004-03-17 14:41:28 UTC
From: Steven Coles
Topic: 442 Message: 443

Allan,

I haven't tried it, but don't see any reason SSTV wouldn't work. Is there software to generate slow scan in a sound card? It was all home-built analog the last time I looked into it. (That dates me.)

Some older TVs with analog fine tuning can tune an entire channel off their intended channel. That would allow TV on 216-222 MHz at 200 uV/m at 3 m which appears to be legal. Then there's converters. Was a time when nearly all UHF TV was received with a UHF to VHF converter. Hmmm. 902-928 MHz: any at 50,000 uV/m @ 3 m.

Regards,

Steven

Rant: This is another area where Part-15 rules and regulations seem a bit strange. According to OET-63 (which the FCC points to as an interpretation):

Channels 2, 3, and lower 4 MHz of chan. 4 are limited to non-residential perimeter protection systems at 100 uV/m @ 3m.

Chan. 4 top 2 MHz, chan. 5 & 6 intermittent control signals at 1250 uV/m @ 3 m, periodic transmissions @ 500 uV/m @ 3 m, & non-residential perimeter protection systems at 100 uV/m at 3m.

Chan 7-13 intermittent control signals at 3,750 uV/m @ 3 m, periodic transmissions @ 1,500 uV/m @ 3 m, & biomedical telemetry devices at 1,500 uV/m @ 3m

216-240 MHz Any at 200 uV/m @ 3 m

UHF channels intermittent control signals at 12,500 uV/m @ 3 m & periodic transmissions at 5,000 uV/m @ 3 m.

OK. Channels 2 & 3 get essential zilch point zip field strength in an application physically distant from most viewers.

Channel 4 has radio-controlled model aircraft in channel.

Channels 7-13 have intermittent control signals at 37 times the field strength allowed on channels 2 & 3 and increasing to 125 times the field strength at UHF. And biomedical telemetry (which operates continuously and has, therefore, greater interference potential) is allowed 15 & 50 times the field strength allowed in chan. 2 & 3. Why different degrees of protection on different channels?

But allowing 1,200 or so uV/m for Part-15 UHF TV would interfere more than what's already on those channels?

A large percent of TV views use cable which protects them from interference. Essentially all TVs manufactured today have excellent adjacent channel interference rejection. Otherwise, they wouldn't work with cable systems. At 50 miles from a TV station a 100 mW ERP station on the same frequency would have to be within about 150 feet of the receiving antenna to pose a reception threat. But being on the broadcaster's frequency while operating in their class A or B coverage areas would be illegal anyway.

As an ex-TV broadcast engineer I'm having trouble understanding the degree of protection the broadcast industry claims it needs. But those are the rules and regulations we have to live with.

444. Re: SSTV After Thought

Yahoo group: 49megahertz
Date: 2004-03-17 14:47:33 UTC
From: Steven Coles
Topic: 442 Message: 444

Allan,

You also might be able to acoustically couple SSTV into 49 MHz or FRS transceivers avoiding any charge of modifying a type accepted product.

Steven

445. re: sstv after thoughts

Yahoo group: 49megahertz
Date: 2004-03-17 23:05:26 UTC
From: allanegleston
Topic: 445 Message: 445

Steven, I have software called mmsstv. free down load
Also have a program for 24-32-and other line narrowband tv.
A fellow on my longwave band relfector had broadcasted narrowband tv
from his prart 15 beacon. Thanks for the idea of auocostic coupoling.
A question, Could that be just a headphone on the mic??, or are there
more specfic ways to do that. My frs rig has a mic and head phone
jack built into the rig. 73 Allan.

446. Re: [49MHz] re: sstv after thoughts

Yahoo group: 49megahertz
Date: 2004-03-18 00:25:59 UTC
From: KD7JYK
Topic: 446 Message: 446

Yes, or play it real loud and pick it up from across the room... Best thing is an audio trandformser from rat shack, connect one side to your sound card, the other to the radio mic. input.

Kurt

> A question, Could that be just a headphone on the mic??,

447. Re: sstv after thoughts

Yahoo group: 49megahertz
Date: 2004-03-18 03:55:53 UTC
From: Steven Coles
Topic: 445 Message: 447

Allan,

As Kurt says, the best results come from coupling through a transformer. Transformers with a flatter pass band and less distortion than the Radio Shack offering would give better results. If you do use Radio Shack consider their 70-V PA transformer.

However, I'm trying to come up with something that respects the prohibition against modifying FCC approved or type-accepted transceivers. Also, I'd like the technically limited to be able to participate. Therefore, the acoustic coupling.

Transformer coupling and acoustic coupling can be compatible. You might acoustic couple on your transmission while the person receiving you patches directly from a scanner headphone jack into a sound-processing card.

Twenty five years ago acoustic coupling was standard for 300 baud communications and worked up to 1200 baud over copper-connected telephones. The handset cradles still show up used once in a while. A good quality earphone or rather ordinary 1.5" speaker is used. A piece of sponge or foam is cut into the shape of a tuna can. Then the middle's hallowed out so the speaker and microphone can be slipped into opposite ends facing each, but not touching. Touching causes distortion.

Generally there's a period of fussing with the volume to get enough modulation without overdriving the telephone's, transceiver's, or whatever's microphone. Modern modulation and processing techniques might push digital video to 2400 or 4800 baud. Don't expect miracles. Transceivers have filters to keep them within the legal bandwidth.

Regards,

Steven

448. Re: [49MHz] Re: sstv after thoughts

Yahoo group: 49megahertz
Date: 2004-03-18 04:10:58 UTC
From: 49MHz Experimental Radio Club
Topic: 445 Message: 448

Wow!

SSTV is something I'd never thought of. When I first started the club I was picturing beacons in CW or QRSS (Of course, my sending is so slow it could pass for a QRSS beacon) or maybe ASCII, but SSTV is definitely something new around this YahooGroup!

This could be really interesting if someone managed to pull it off.

Speaking of which, has anyone actually made a contact on 49MHz, in any way, shape or form? I once fired up the el cheapo 49MHz rig (Basically a kids' walkie-talkie with a piece of wire on it) and called CQ and actually got a response... "Hello!" I quickly responded and there was a brief pause, and then some unintelligible babble. It took me a while to realize I was talking to some kid on a walkie-talkie. :-) That's about as close as I've been to a contact, though I could swear I heard some CW on 49.86 once.

Oh yeah, and about the membership applications... technically they will be processed on or around the 1st of April. I'll probably get around to it sooner though when I have some free time.

73 de Michael 49H3MA
President, 49MHz Experimental Radio Club
List Moderator, 49Megahertz
List Moderator, Ham_Humor
http://www.qsl.net/49mhz/

449. Re: [49MHz] Re: sstv after thoughts

Yahoo group: 49megahertz
Date: 2004-03-18 07:13:56 UTC
From: KD7JYK
Topic: 445 Message: 449

The FCC type accepts devices for frequency, bandwidth, uV/M etc. and in a few cases, emission mode, AM, FM and so forth. How you couple audio into a type accepted device does not alter the transmitting circuit, the radiating element or the type acceptance all of which are the FCCs concern. The frequency or bandwidth can cause a device to not be type accepted, transmitting fast scan video through a highly modified walkie talkie and taking up 10 MHz of spectrum. Most modes you can think of used in Amatuer radio are narrow enough to not cause problems, thay are designed to be fed into a circuit designed for the average human voice, generally 1/5th the bandwidth of most FM transceiver. Accoustic coupling is mostly limited by the mechanical properties of the device producing the sound. I have couplers that function in excess of 9600 baud for radio and telephone, they don't use speakers, they use piezo elements. I suspect they are good to 50 Kb but then you run into the accoustic properties/problems of the enclosure. You don't need the 70V PA transformer unless you plan to run your stereo amplifier full volume into your little radio, the very small green audio transformers radio shack sells will handle a hundred times the power you need at thousands of times the bandwidth. We're only dealing with human voice range and mV of audio with these radios.

I hope that makes sense, I am tired.

Kurt

450. 49 Mhz, That'll teach me...

Yahoo group: 49megahertz
Date: 2004-03-18 16:20:08 UTC
From: KD7JYK
Topic: 450 Message: 450

...not to write with too little sleep. I glanced over part 15 this morning, it sure has changed from the 20 page pamphlet I used to wirk with. From what I read, type accepteance has nothing to do with user audio interface, only bandwidth, antenna, radiation limitations and in a couple cases, mode.

Back in 1993 I worked with Part 15 regularly and could interpret it very well. My wife worked for IBMs RF Lab certifying devices for Civilian, Commercial and Military uses for many years, helping to create some of the regulations and procedures for performing tests and certification. We (wife and I) even have a Part 15 (amongst other parts) certification lab here though we never set it up. The Rosetta Prving Ground you may see referenced in some of my e-mail signatures was initially designed for FCC Type Acceptance, UL and MILSPEC certification. We built it at the request of several DARPA contractors looking for a Lab closer to their facilities. Projects move on and we now design extremely rugged field deployable comm systems along with a few extreme environment vehicle mods, currently working on operation in temperatures of -25 to +140?F. Never a dull day!

If there is a part you wish to discuss, send me the part number and your concern, I'll glace it over and may even ask the ultimate authority... My wife.

Wow! The new part 15 is 131 pages long!

Kurt

451. Re: 49 Mhz, That'll teach me...

Yahoo group: 49megahertz
Date: 2004-03-18 20:40:52 UTC
From: Steven Coles
Topic: 450 Message: 451

Kurt,

With your background I think you can appreciate that I've had hard models (first production units) fail RF emissions tests do to a ground path through transformer inter-winding capacitance.

A number of people have sworn on a stack of ARRL Handbooks that the RS 1:1 transformer has a number of problems including a bumpy frequency response. I've used a number in non-critical applications with only one situation where the transformer didn't work as needed. I'll have to check its characteristics myself. (Another thing on my round tuit stack.)

Regards,

Steven

452. [49MHz] Re: Contacts on 49 MHz

Yahoo group: 49megahertz
Date: 2004-03-19 03:11:24 UTC
From: Steven Coles
Topic: 445 Message: 452

Michael,

My only contact on 49 MHz was pre-arranged with my ex while we were bicycling. That was about 1987. If folks around here would turn off their baby monitor transmitters and listen to the receivers, a person could rack up 6 or 8 contacts per evening.

Before that my Part-15 contacts on 27 MHz were pre-arranged with high-school friends who built Knight-Kit 3-transistor walkie-talkies.

I don't recollect hearing any other Part-15 operators on BCB or FM. And haven't spent enough hours on other bands to have much of a chance at contacts.

It's only fair to mention my main interest is technical. Other that asking, "Anyone on frequency?" a few times I haven't tried.

Regards,

Steven

--- In 49megahertz@yahoogroups.com, 49MHz Experimental Radio Club <49MHzERC@h...> wrote:

<snip>

> Speaking of which, has anyone actually made a contact on 49MHz, in any
> way, shape or form? I once fired up the el cheapo 49MHz rig (Basically
> a kids' walkie-talkie with a piece of wire on it) and called CQ and
> actually got a response... "Hello!" I quickly responded and there was a
> brief pause, and then some unintelligible babble. It took me a while to
> realize I was talking to some kid on a walkie-talkie. :-) That's about
> as close as I've been to a contact, though I could swear I heard some
> CW on 49.86 once.
>
> Oh yeah, and about the membership applications... technically they will
> be processed on or around the 1st of April. I'll probably get around to
> it sooner though when I have some free time.

>
> 73 de Michael 49H3MA
> President, 49MHz Experimental Radio Club
> List Moderator, 49Megahertz
> List Moderator, Ham_Humor
> http://www.qsl.net/49mhz/

453. [49MHz] Re: QRSS & Radiotelegraph Code

Yahoo group: 49megahertz
Date: 2004-03-19 03:17:57 UTC
From: Steven Coles
Topic: 445 Message: 453

Michael,

From what I heard from a MedFer, you need a clear frequency to get the impressive results using QRSS. That would mean operating between 49 MHz channels.

I don't remember whether 49 MHz channels are FCC mandated, or just an industry standard with little legal clout.

Regards,

Steven

--- In 49megahertz@yahoogroups.com, 49MHz Experimental Radio Club <49MHzERC@h...> wrote:
> Wow!
>
> SSTV is something I'd never thought of. When I first started the club I
> was picturing beacons in CW or QRSS (Of course, my sending is so slow
> it could pass for a QRSS beacon) or maybe ASCII, but SSTV is definitely
> something new around this YahooGroup!
>
<snip>

. . . though I could swear I heard some
> CW on 49.86 once.
>
<snip>

454. 1:1 for audio interconnect.

Yahoo group: 49megahertz
Date: 2004-03-19 05:47:23 UTC
From: KD7JYK
Topic: 454 Message: 454

Yes, I was refering to non critical audio applications. They stink for all else. I don't have any equipment that goes low enough to give these a thorough test, I am limited down to 100 KHz and can go as high as 67 GHz. Anything outside of that I am limited to theory.

Kurt

----- Original Message -----
From: Steven Coles <scoles@...>

> A number of people have sworn on a stack of ARRL Handbooks that the
> RS 1:1 transformer has a number of problems including a bumpy
> frequency response. I've used a number in non-critical applications
> with only one situation where the transformer didn't work as needed.
> I'll have to check its characteristics myself. (Another thing on my
> round tuit stack

455. 49 mhz contacts

Yahoo group: 49megahertz
Date: 2004-03-20 00:49:28 UTC
From: allanegleston
Topic: 455 Message: 455

Been reading about some of your contacts. made one on 49.84 that was pre arrainged. How about this. How about during a vhf contesting weekend we send some cq's in any mode.
73's Allan

456. Re: [49MHz] 49 mhz contacts

Yahoo group: 49megahertz
Date: 2004-03-20 00:58:46 UTC
From: KD7JYK
Topic: 456 Message: 456

I choose 110 Bd Hellschreiber. It's obnoxious enough to get everyone to hang up their phones and turn off their baby monitors.

Kurt

Ross Technologies Signals Intelligence Division
Rosetta Proving Ground

----- Original Message -----
From: allanegleston <allanegleston@...>

How about this. How about during a vhf contesting
> weekend we send some cq's in any mode.
> 73's

457. Re: [49MHz] 49 mhz contacts

Yahoo group: 49megahertz
Date: 2004-03-20 04:31:19 UTC
From: Steven Coles
Topic: 456 Message: 457

Kurt,

I had to look that up.

http://www.qsl.net/py1vhf/swmodes.txt

says,

"These signals are used for transmitting pictures, mostly marine
weather maps over the airwaves and make a distinctive scratch-like
sound. Press-FAX can still be found but with less frequency as Press
services continue to move to satellite.

HELLSCHREIBER FAX-like mode used by Chinese Internal Press
(still?)
now used infrequently by European amateurs on 80m
and
40m."

Hi.

Steven

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@r...> wrote:
> I choose 110 Bd Hellschreiber. It's obnoxious enough to get
everyone to
> hang up their phones and turn off their baby monitors.
>
> Kurt
>
> ---
> Ross Technologies Signals Intelligence Division
> Rosetta Proving Ground
>
> ----- Original Message -----
> From: allanegleston <allanegleston@y...>
>
> How about this. How about during a vhf contesting
> > weekend we send some cq's in any mode.
> > 73's

458. Re: [49MHz] 49 mhz contacts

Yahoo group: 49megahertz
Date: 2004-03-20 04:31:21 UTC
From: 49MHz Experimental Radio Club
Topic: 456 Message: 458

On Mar 19, 2004, at 7:58 PM, KD7JYK wrote:
> I choose 110 Bd Hellschreiber. It's obnoxious enough to get everyone
> to
> hang up their phones and turn off their baby monitors

LOL! Yep, that would do it... er... the club doesn't condone such...
um... (bursts out laughing.)

I like the idea of doing a contest weekend where people could call CQ.
Somehow I doubt contacts would be made, but it's a possibility.

73 de Michael 49H3MA
President, 49MHz Experimental Radio Club
List Moderator, 49Megahertz
List Moderator, Ham_Humor
http://www.qsl.net/49mhz/

459. Re: 49 mhz contacts

Yahoo group: 49megahertz
Date: 2004-03-20 05:00:45 UTC
From: Steven Coles
Topic: 455 Message: 459

Allan,

I like the idea of picking a weekend--maybe even several calling times within the weekend. But I must be misunderstanding something. Do you mean an ARRL VHF contest weekend and ARS + 49 MHz operators would be on the ham bands and not on 49 MHz? Or listen to both at the same time? Or define our own contest weekend?

If we defined our own, we might set up an hourly frequency rotation:

On the hour - :06 minutes LoFer kHz,
:06-:12 BCB/MedFer,
:12-:18 HiFer,
:18-:24 27 MHz,
:24-:30 49 MHz,
:30-:36 MURS,
:36-:42 FRS,
:42-:48 902 MHz,
:48-:54 2.4 GHz,

and select preferred calling frequencies for each band. When the time rotates to a frequency you don't have, you call and listen on your favorite. When you find an active frequency, stick with it and break out of the rotation. I think a contest would inspire operators to improve their stations and add bands.

We could announce the event on a lot of forums and groups, but multiple bands would give us a better shot at contacting operators who missed the announcement.

Let's kick around some variations on the idea, choose a plan, and try it.

Regards,

Steven

--- In 49megahertz@yahoogroups.com, "allanegleston" <allanegleston@y...> wrote:
> Been reading about some of your contacts. made one on 49.84 that was
> pre arrainged. How about this. How about during a vhf contesting
> weekend we send some cq's in any mode.
> 73's Allan

460. Re: [49MHz] 49 mhz contacts

Yahoo group: 49megahertz
Date: 2004-03-20 05:13:47 UTC
From: KD7JYK
Topic: 456 Message: 460

Hmm... Been used since the 1920's for text and imagery and now very popular throughout HF and VHF. I use it often and have yet to hear any scratchy sounds, actually quite musical. I'll have to try and find a recording.

Kurt

----- Original Message -----
From: Steven Coles <scoles@...>

> "These signals are used for transmitting pictures, mostly marine
> weather maps over the airwaves and make a distinctive scratch-like
> sound. Press-FAX can still be found but with less frequency as Press
> services continue to move to satellite.

461. Re: [49MHz] 49 mhz contacts

Yahoo group: 49megahertz
Date: 2004-03-20 05:38:14 UTC
From: KD7JYK
Topic: 456 Message: 461

I bet we'd make contacts with PUA43, LHL7 or LTI !! The record is roughly 500,000 miles on 5W (moon and back) with PUA43, I bet we could get around the world with 100mW easy! Might need a week to call CQ though...

I can't find any recordings of the Hell mode I use, I'll just make one directly from my modem.

Kurt

----- Original Message -----

LOL! Yep, that would do it... er... the club doesn't condone such... um... (bursts out laughing.)

462. Question

Yahoo group: 49megahertz
Date: 2004-03-20 05:40:23 UTC
From: KD7JYK
Topic: 462 Message: 462

How does one get one of these ----> 49H3MA

Kurt

463. Weak-Signal Waterfall Display

Yahoo group: 49megahertz
Date: 2004-03-20 15:29:06 UTC
From: Steven Coles
Topic: 463 Message: 463

All,

I downloaded ARGO free from

http://www.weaksignals.com/

It requires a soundcard, a receiver with a BFO (a crystal-controlled local oscillator is almost essential, too), and a patch chord between the two. It's about as easy to install and use as software can get. It easily displayed a number of traffic information station carriers I couldn't hear by ear.

Regards,

Steven

464. re: 49mhz contacts

Yahoo group: 49megahertz
Date: 2004-03-20 20:02:18 UTC
From: allanegleston
Topic: 464 Message: 464

Steven, like the idea for multiband part 15 and in addition to murs and 11 meters 27 mhz. I like the idea of using also ham channel call frequencies. The contest could co incide with field day or as a stand alone exercise by itself. I noticed that you did not include the medfer frequencies of 54-1700 kc. It would be coll to try this. Am interested in any input. Fax on 49 mhz? Hmm.Would like to do this during an dx weekend with hams on their channels. 73's Allan kf6uxj

465. Re: 49mhz contacts

Yahoo group: 49megahertz
Date: 2004-03-20 21:14:19 UTC
From: Steven Coles
Topic: 464 Message: 465

Allan,

On another forum I picked up the habit of shortening 540-1700 kHz to BCB (Broadcast Band). As many Part-15 operators have only BCB receivers I definitely would like it included.

I'd like to avoid anything that would handicap non-ham Part-15 operators. For that reason I favor putting the weekend's calling frequencies inside Part-15 bands. However we do it, I hope we can find something most operators can enjoy trying.

Regards,

Steven

--- In 49megahertz@yahoogroups.com, "allanegleston" <allanegleston@y...> wrote:
> Steven, like the idea for multiband part 15 and in addition to murs
> and 11 meters 27 mhz. I like the idea of using also ham channel call
> frequencies. The contest could co incide with field day or as a stand
> alone exercise by itself. I noticed that you did not include the
> medfer frequencies of 54-1700 kc. It would be coll to try this. Am
> interested in any input. Fax on 49 mhz? Hmm.Would like to do this
> during an dx weekend with hams on their channels. 73's Allan kf6uxj

466. 49 MHz QRSS on the Cheap

Yahoo group: 49megahertz
Date: 2004-03-20 22:40:15 UTC
From: Steven Coles
Topic: 466 Message: 466

All,

I just tried 49 MHz QRSS using secondhand store items. No try for distance yet. I put a waterfall image of the transmission in my group's photos/waterfall album.

http://photos.groups.yahoo.com/group/LUTT/

Regards,

Steven

467. 49 mhz contacts

Yahoo group: 49megahertz
Date: 2004-03-20 23:51:26 UTC
From: allanegleston
Topic: 455 Message: 467

Steven. sounds good. I would try to get my ham elmer to help me get up and running a radiating regenney on 13.5 in hf, and 1700 kc bcb, along with voice in 49 mhz, frs and cb. 73's Allan

468. 49 mhz qrss on the cheap

Yahoo group: 49megahertz
Date: 2004-03-20 23:53:55 UTC
From: allanegleston
Topic: 468 Message: 468

Steven, sounds cool. Please do keep us posted. 73's Allan

469. Re: [49MHz] 49 mhz contacts

Yahoo group: 49megahertz
Date: 2004-03-21 01:22:52 UTC
From: KD7JYK
Topic: 456 Message: 469

Check with the guys on lowfer@... about this. Many of us are
operating around 13,555 KCs.

Kurt

----- Original Message -----
From: allanegleston <allanegleston@...>

> up and running a radiating regenney on 13.5 in hf

470. Re: [49MHz] Question

Yahoo group: 49megahertz
Date: 2004-03-20 12:14:18 UTC
From: 49MHz Experimental Radio Club
Topic: 462 Message: 470

> How does one get one of these ----> 49H3MA

Join the club, it's free. Applications are processed around the 1st of
every month.

http://www.qsl.net/49mhz/

73 de Michael 49H3MA
President, 49MHz Experimental Radio Club
List Moderator, 49Megahertz
List Moderator, Ham_Humor
http://www.qsl.net/49mhz/

471. [49MHz] Re: QRSS & Radiotelegraph Code

Yahoo group: 49megahertz
Date: 2004-03-21 03:24:14 UTC
From: John H. Guetherman
Topic: 445 Message: 471

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
wrote:
> Michael,
>
> From what I heard from a MedFer, you need a clear frequency to get
> the impressive results using QRSS. That would mean operating
> between 49 MHz channels.
>
> I don't remember whether 49 MHz channels are FCC mandated, or just
> an industry standard with little legal clout.
>
> Regards,
>
> Steven
>

IIRC, we're allowed the range of 49.80 to 49.90. So if you designed your own radio with a VFO, or added a VFO to an existing design, you could utilize whatever frequency you wanted to. You'd just have to be sure to stay within the band limits depending on whatever mode, and therefore signal bandwidth, you chose.

I think (I could be wrong), the manufacturers chose 49.830, 49.845, 49.860, 49.875, and 49.890 due to the bandwidth of analog FM. I have to wonder though, why they didn't also pick 49.815, giving us 6 channels? If 49.890 stays within the band, then 49.815 would definately stay within the band. Unless 49.815 is/was allocated to something else?

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

472. [49MHz] Re: QRSS & Radiotelegraph Code

Yahoo group: 49megahertz
Date: 2004-03-21 03:32:08 UTC
From: John H. Guetherman
Topic: 445 Message: 472

Oh, yeah, as I've mentioned before, there's a baby monitor in my neighborhood on 49.870. I don't know if it was deliberately manufactured 5kHz lower than 49.875, or if it was a quality control issue.

--- In 49megahertz@yahoogroups.com, "John H. Guetherman" <jhguetherman@y...> wrote:
> IIRC, we're allowed the range of 49.80 to 49.90. So if you designed your own radio with a VFO, or added a VFO to an existing design, you could utilize whatever frequency you wanted to. You'd just have to be sure to stay within the band limits depending on whatever mode, and therefore signal bandwidth, you chose.
>
> I think (I could be wrong), the manufacturers chose 49.830, 49.845, 49.860, 49.875, and 49.890 due to the bandwidth of analog FM. I have to wonder though, why they didn't also pick 49.815, giving us 6 channels? If 49.890 stays within the band, then 49.815 would definately stay within the band. Unless 49.815 is/was allocated to something else?
>
> John H. Guetherman
> KB7MIB/WPXJ598
> Peoria, AZ.

473. [49MHz] Re: QRSS & Radiotelegraph Code

Yahoo group: 49megahertz
Date: 2004-03-21 05:35:14 UTC
From: Steven Coles
Topic: 445 Message: 473

John,

OET #63 lists 49.82-49.90 MHz as the 10,000 uV/m @ 3m band. If it's correct (or at least was when channels were chosen) that accounts for the lack of 49.815 MHz.

Regards,

Steven

> --- In 49megahertz@yahoogroups.com, "John H. Guetherman"
> <jhguetherman@y...> wrote:
> > IIRC, we're allowed the range of 49.80 to 49.90. So if you designed
> your own radio with a VFO, or added a VFO to an existing design, you
> could utilize whatever frequency you wanted to. You'd just have to be
> sure to stay within the band limits depending on whatever mode, and
> therefore signal bandwidth, you chose.
> >
> > I think (I could be wrong), the manufacturers chose 49.830, 49.845,
> 49.860, 49.875, and 49.890 due to the bandwidth of analog FM. I have
> to wonder though, why they didn't also pick 49.815, giving us 6
> channels? If 49.890 stays within the band, then 49.815 would
> definately stay within the band. Unless 49.815 is/was allocated to
> something else?
> >
> > John H. Guetherman
> > KB7MIB/WPXJ598
> > Peoria, AZ.

474. Contest Committee?

Yahoo group: 49megahertz
Date: 2004-03-21 18:27:28 UTC
From: Steven Coles
Topic: 474 Message: 474

All,

The contest seems like a great way to get everybody to take a good shot at unlicensed contacts on the same weekend. Does anybody want to be on a committee to work out the silly little details? Issues could be choosing a good weekend with nothing like a World Series game. Scoring? Multiple categories? Contact confirmation requirements, if any? Hopefully we'll have contest knowledgeable people assisting.

Regards,

Steven

475. Too Much Fun!

Yahoo group: 49megahertz
Date: 2004-03-21 20:20:01 UTC
From: nh7sr
Topic: 475 Message: 475

Looks like youse guys is having too much fun over here... so I has decided to join ya!

73,

Grumpy old 'Bear' NH7SR

476. Copy of a post just made to the LUTT group.

Yahoo group: 49megahertz
Date: 2004-03-22 10:48:33 UTC
From: nh7sr
Topic: 476 Message: 476

John,

The 100 mW total power consumption with a 1 meter permanently affixed antenna is meant by the FCC to provide a rough guideline for home constructors to build a device that will operate in compliance with the field strength standards.

It is not at all unrealistic to consider 100 mW total power consumption as producing only 10,000 microvolts/meter at 3 meters. I would be surprised to see much more than 1 mW being delivered to the antenna. That 1 mW would not, however, be the Effective Radiated Power since much of it will be lost in ohmic resistance of the radiator. Radiation efficiency is the ratio of radiation resistance (equivalent for all practical purposes to the antenna impedance) to the ohmic resistance of the radiating element_and_ the ground plane it is working against. The impedance of a 1 meter antenna at 49 mHz is on the order of 1 ohm or less with a very high reactance value. If you figure the average chrome or nickel plated telescoping rod antenna to have as little as 2 ohms resistance that translates to an antenna efficiency of only 33%. Taking into account that there is very little in the way of adequate ground plane to work against and your effiency drops drastically. It's highly unlikely that 1 mW at the feed point of a 1 meter rod is going to produce 57,000 microvolts/meter at 3 meters.

I will not, however, argue with your math. Instead let's take a look at what can be done with 10,000 microvolts. According to the IFR-1500 Communications Service Monitor dBm to microVolts conversion chart 10,000 microVolts is -27 dBm compared to 1 mW into a 50 ohm load. I'll use that as the baseline. I'll also use the inverse square law that states that each time we double the distance we have only 1/4 the power remaining (that is a factor of -6 dB).

So beginning with 10,000 microVolts/meter at 3 meters....

At 6 meters we will have -33 dBm or 5010 microVolts.
At 12 meters we will have -39 dBm or 2520 microvolts.
At 24 meters we will have -45 dBm or 1260 microvolts.
At 48 meters we will have -51 dBm or 633 microvolts.
At 96 meters we will have -57 dBm or 317 microvolts.
At 192 meters we will have -63 dBm or 159 microvolts.
At 384 meters we will have -69 dBm or 79.5 microvolts (equal to a 30 dB over S-9 signal in any decent communications receiver).
At 768 meters we will have -75 dBm or 39.9 microvolts (about the limit for voice with cheapie 49 mHz walkie-talkies).
At 1.536 kilometers we will have -81 dBm or 20 microvolts.

At 3.072 kilometers we will have -87 dBm or 10 microvolts.
At 6.144 kilometers we will have -93 dBm or 5.01 microvolts.
At 12.188 kilometers we will have -99 dBm or 2.52 microvolts.
At 24.376 kilometers we will have -105 dBm or 1.26 microvolts.
At 48.752 kilometers we will have -111 dBm or 0.633 microvolts.
At 97.504 kilometers we will have -117 dBm or 0.317 microvolts.

When I was in the land mobile business we used to tune the VHF FM receivers for a 12 dB SINAD (SIgnal plus Noise And Distortion) sensitivity using a 1000 Hz tone. An acceptable sensitivity had to be at least 1 microvolt with most receivers showing sensitivities between 0.2 and 0.5 microvolts. That, of course, is for a tone. Voice communications required a higher SINAD level of about 30 dB which meant an effective sensitivity of about 2.5 microvolts. This was for NBFM receivers with a 15 kHz bandwidth. So... a typical commercial or ham grade NBFM receiver should be able to receive our 10,000 microvolts/meter at 3 meters from a distance of slightly more than 12 kilometers if we disregard path losses.

What would happen if we were to tighten up the receiver bandwidth and choose a mode which requires less signal to noise ratio. A typical MDS (Minimum Discernable Signal) value for a CW receiver with a 250 Hz bandwidth is ~134 dBm. So...

At 195.008 kilometers we will have -123 dBm or 0.159 microvolts.
At 390.016 kilometers we will have -129 dBm or 0.0795 microvolts.
At 780.032 kilometers we will have -135 dBm or 0.0399 microvolts.

Now we have hit the MDS point. For comfortable copy of CW at 12 words per minute a SNR ratio of 12 dB is required. So, again neglecting path losses, our 10,000 microvolts/meter will be good copy at a distance of 195 kilometers. We could also get good copy of a PSK31 digital mode signal at this distance since PSK31 only needs a 10 dB SNR to give 100% copy.

What about other modes like QRSS?

QRSS3 (3 second dot length) is readable 6 dB _below_ the noise floor (you can't hear it at all!).

At 1560.064 kilometers we will have -141 dBm or < 0.0224 microvolts and a perfectly readable QRSS3 signal.

QRSS10 (10 second dot length) gives us about 8 dB deeper into the noise and QRSS30 (30 second dot length) about another 12 dB deeper into the noise. There are some other modes around that can, at this point in time, get as much as 45 dB below the noise floor.

It should be apparent by now that 10,000 microvolts/meter at 3 meters is _not_ as much of a limitation as it might at first appear. The real limit to the potential range is going to be determined by path losses other than square law loss, propagation beyond the horizon (49

mHz doesn't follow the curvature of the earth much beyond the visible horizon), choice of communications mode (non-voice is much to be preferred) and effective receiver sensitivity (good antenna, low-noise frontend and narrow bandwidth).

Suitable offerings and oblations must also, of course, be made to the various gods, goddesses and demiurges in charge of Troposcatter, Sporadic E's, meteor showers and the like. These may take the form of good tobacco and/or cheap liquor sent to NH7SR for their proper dispensation <G>

72 es 73,

'Bear' NH7SR

--- In LUTT@yahoogroups.com, "jocjo_john" <jocjo_john@y...> wrote:
> --- In LUTT@yahoogroups.com, "nh7sr" <nh7sr@y...> wrote:
> > All,
> >
> > I wanted to get a few answers to some questions I had re Part 15
> > operations particularly at 49 mHz so I reviewed Part 15 this a.m.
> >
> > From the looks of things we can build and/or use equipment
> anywhere
> > within the band 49.82 to 49.9 mHz providing that it meets the
> > following two power limits:
> >
> > a) Not more than 100 mW power input to the stage delivering power
> to
> > the antenna _and_ an antenna not exceeding 1 meter in length.
> >
> > AND...
> >
> > b) Radiated field strength not to exceed 10,000 microvolts per
> meter
> > at a distance of 3 meters.
> >
> > The Office of Environmental Technology document oet63rev.pdf
> clearly
> > spells out the fact that radiated field strength measurements are
> the
> > definitive regulation. If a device meets the power input/antenna
> > restrictions and exceeds the permissible field strengths it is in
> > violation of the regulations.
>
>
> I can't believe this. Read 15.235 again with the thought that part
> (a) which says...
>
> (a) The field strength of any emission within this band shall
> not

> exceed 10,000 microvolts/meter at 3 meters. The emission limit in
> this
> paragraph is based on measurement instrumentation employing an
> average
> detector. The provisions in Sec. 15.35 for limiting peak emissions
> apply.
>
> ...is applicable to type-accepted (or the equivalent in today's
> terms) equipment while part (c) is for home-constructed equipment
> which meets the following:
>
> (c) For a home-built intentional radiator, as defined in
> Sec. 15.23(a), operating within the band 49.82-49.90 MHz, the
> following
> standards may be employed:
> (1) The RF carrier and modulation products shall be maintained
> within the band 49.82-49.90 MHz.
> (2) The total input power to the device measured at the battery
> or
> the power line terminals shall not exceed 100 milliwatts under any
> condition of modulation.
> (3) The antenna shall be a single element, one meter or less in
> length, permanently mounted on the enclosure containing the device.
>
>
> Note that it only takes 30 microwatts into an isotropic radiator to
> create a 10,000 uV/m field at 3 meters! This is a tremendous
> difference between the 10,000 uV/m limit and a 100 mW limit.
>
> Let's say we we had a transmitter whose maximum total power
> comsumption is 100 mW. Suppose further that we could get 1 mW of
> that into an antenna. 1 mW is sufficient to produce more than
57,000
> uV/m at 3 meters.
>
> I can't imagine the FCC even mentioning a 100 mW limit if they
> really wanted to limit the field to 10,000 uV/m at 3 meters. My
> conclusion is that part (c) is a seperate requlation from part (a)
> for the specified band.
>
> If I'm wrong with the field strength calcs, please show me where.
>
> John

477. [49MHz] Re: QRSS & Radiotelegraph Code

Yahoo group: 49megahertz
Date: 2004-03-22 19:53:58 UTC
From: John H. Guetherman
Topic: 445 Message: 477

I just double checked, my mistake.

The VFO idea still looks good, though.

John

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
wrote:
> John,
>
> OET #63 lists 49.82-49.90 MHz as the 10,000 uV/m @ 3m band. If it's
correct (or at least was when channels were chosen) that accounts for
the lack of 49.815 MHz.
>
> Regards,
>
> Steven
>
> > --- In 49megahertz@yahoogroups.com, "John H. Guetherman"
> > <jhguetherman@y...> wrote:
> > > IIRC, we're allowed the range of 49.80 to 49.90. So if you
designed your own radio with a VFO, or added a VFO to an existing
design, you could utilize whatever frequency you wanted to. You'd
just have to be sure to stay within the band limits depending on
whatever mode, and therefore signal bandwidth, you chose.
> > >
> > > I think (I could be wrong), the manufacturers chose 49.830,
49.845, 49.860, 49.875, and 49.890 due to the bandwidth of analog FM.
I have to wonder though, why they didn't also pick 49.815, giving us
6 channels? If 49.890 stays within the band, then 49.815 would
definately stay within the band. Unless 49.815 is/was allocated to
something else?
> > >
> > > John H. Guetherman
> > > KB7MIB/WPXJ598
> > > Peoria, AZ.

478. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-04-01 12:17:30 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 478

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

479. Re: File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-04-01 16:03:31 UTC
From: Adam Ebel
Topic: 234 Message: 479

Thanks for the input! My base band frequency was alway been 49.860 for 13 years. I also use this channel for storm updates, hurricane reports, and also music programs on a occasional summer fun basis.

Adam Ebel 49N4AE Virginia Beach VA User since 1994
and Chesapeake VA User since 1988.

--- In 49megahertz@yahoogroups.com, 49megahertz@yahoogroups.com wrote:
>
> These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.
>
> 49.8300MHz - Recommended Hobbyist Operations Freq
> 49.8450MHz
> 49.8600MHz - Recommended Hobbyist Operations Freq.
> 49.8750MHz
> 49.8900MHz

480. Certificates Sent Today

Yahoo group: 49megahertz
Date: 2004-04-14 03:12:00 UTC
From: 49MHz Experimental Radio Club
Topic: 480 Message: 480

Hi all,

I finally got around to processing the pending memberships, so the certificates and information have gone out by email.

If you're still waiting on a certificate/identifier, please resend your application through the website, as all memberships in the pending memberships database have been processed.

A new website design is coming soon, as soon as I get around to uploading it. :-)

73 de Michael 49H3MA
President, 49MHz ERC

481. Similar international low-band allocations

Yahoo group: 49megahertz
Date: 2004-04-15 19:13:20 UTC
From: John H. Guetherman
Topic: 481 Message: 481

Found this link in the GMRS group the other day. Interesting information.

http://www.geocities.com/rf-man/handheld.html

Australian 55MHz LPD in the 54-56MHz band, 2.5mW max. 5 channel handies made by Realistic.

55.050
55.150
55.250

Finland - 68-72MHz RHA68 - low power system. "Common channels for hobby usage in general" (RHA68 4.2.2000). 5W. (6.4.1998)
22 channel Handheld available (CLICK FOR PIC).
See http://www.agripalvelu.fi/vhf.html - handy details
and http://www.agripalvelu.fi/STAR_PA4099_tekniset.html - channels

More details wanted! Thanks :o)
Spectrum in English : http://www.thk.fi/englanti/radio/Taulukko2.htm

1 68.050 | E5
2 68.175 | E7
3 67.500 | E8
4 71.375 | E9
5 71.425 | E10
6 71.475 | E11 "Yleinen harrastuskanava"
7 71.625 | E12 (Common channels for hobby usage in general)
8 68.575 | E6
9 70.200 | E13
10 71.025 | E14
11 71.050 | E15
12 71.100 | E16
13 68.100 A1 Tiepalvelu "road service organisations"
14 68.300 A2 Autourheilu "car racing"
15 68.425 A3 Pelastuspalvelu "voluntary rescue organisations" (25W)
16 68.525 A4 Autourheilu "car racing"
17 68.225 A17 Pelastuspalvelu "voluntary rescue organisations" (25W)
18 71.575 |
19 72.325 |
20 71.350 | Elinkeinoelämän yhteiskäyttökanava "common PMR channels"
21 71.550 |
22 71.600 |

In Italy, 43MHz LPD contains 24 channels from 43.3 to 43.5875 (12.5kHz), max 5W. From 1998. For specific purposes :o)

see http://www.negrinielettronica.com/43_mhz.htm

1 43.300 |
2 43.3125 | Security & rescue
3 43.325 | surveillance
4 43.3375 |
5 43.350 |
6 43.3625 |_____
7 43.375 |
8 43.3875 |
9 43.400 | Commercial enterprises
10 43.4125 |
11 43.425 |
12 43.4375 |_____
13 43.450 |
14 43.4625 | Yachts and marinas
15 43.475 |
16 43.4875 |_____
17 43.500 |
18 43.5125 | Air clubs & sport aircraft
19 43.525 |
20 43.5375 |_____
21 43.550 |
22 43.5625 | Medical surveillance
23 43.575 |
24 43.5875 |

See this catalogue : http://www.intek-com.it/catalogo/pag15.html

Italy, 49 & 53MHz unconfirmed (rumour dept.)

"Italian 7 metres - 49.1 to 49.5 MHz FM - 20 channels are legal with
5 watts. Calling channel is 49.250 MHz."

"Italy - Pirate 6 metres? 53.5 to 53.950 MHz all modes, FM calling
channel 53.75 MHz, SSB calling channel 53.525 MHz."

Any info gratefully received! See details at bottom of this page.
Thanks.

Sweden - 31MHz service, details not fully known. 24 FM channels,
irregular 10kHz spacings. Maximum power 3.5W for some channels, 1W on
others. From 1993?
See http://home.swipnet.se/alfakom

1 30.930
2 31.040
3 31.050 Kanal 1
4 31.060 Kanal 2
5 31.070
6 31.080 1W
7 31.090 1W

8 31.100 1W
9 31.110 1W
10 31.120 1W
11 31.140
12 31.150
13 31.160 Kanal 3
14 31.180 1W
15 31.190 1W
16 31.200 1W
17 31.210 1W
18 31.220 1W
19 31.250 Kanal 4
20 31.260 Kanal 5
21 31.270
22 31.330 Kanal 6
23 31.340
24 31.570

Thailand, 78MHz CB - 80 channels, 10W, from 1998 (96?)
Announcement (in English)
http://www.ptd.go.th/law_ptd/PTD_Announcement(78MHz).pdf
Rigs must be yellow!

1 78.0000
...
80 78.9875

The UK 49MHz LPD band at 49.82 to 49.98 (boundaries) may be used for voice - very low range though, very low power (10mW) and inefficient antennas. Typical frequencies - as used by the Maxon 5 channel set:

--49.82--
A 49.83
B 49.845
C 49.86
D 49.875
E 49.89
--49.98--

This band is extensively used for baby monitors, which complicates matters even further.

~~~~~~

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.
~~~~~~

482. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-05-01 12:37:55 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 482

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

483. Stormwise has a great suggestion for HAMs and hobbyists of 49 MHz.

Yahoo group: 49megahertz
Date: 2004-05-06 23:21:05 UTC
From: Adam Ebel
Topic: 483 Message: 483

Folks,

I saw this article at this link http://www.stormwise.com/index2.html and this seem interesting and very easy to do.. Also I may have plans of doing this for the community, also I will also be making the announcements for anyone who owns a 49 MHz walkie talkie, which mean alot for outdoor users to get back to safety. Also with this summer coming up, and swimming pool season is about to start in couple of weeks, also please be reminded that next month is Lightning Safety Awareness Week at the 20 to 26 of June. Which means that we should contribute our time for lightning safety on 49.860 MHz also most scanner users may want this at a great tool for some kind of lightning alert, since the NWS cannot cover such a thing.

Here is something you may want to read I just copied and pasted it.

Build A Wireless Lightning Alarm
You can use our lightning sensor and nearly any wireless baby monitor to make a wireless lightning-storm alarm system for your home! Simply mount the lightning sensor outdoors and wire it as shown to a buzzer indoors. Glue the buzzer to the microphone hole on any wireless baby monitor and you instantly have a wireless lightning detector having sound and lights when lightning is detected! We offer several lightning sensors which can be easily used for this purpose. The photos below show how easy it is to use our lightning sensor with any wireless baby monitor to make a wireless lightning detection system!

We show a Wireless Baby Monitor made by FISHER-PRICE, model 71638, available at WAL-MART for less than $ 20.00, but nearly any wireless baby monitor can be used. Both 49 MHz and 900 MHz models (for clearer sound) are available now. Do not open the baby monitor to make any changes as this could cause shock or fire danger and might cause undesired operation that might violate FCC rules. The 9-volt battery will power the lightning sensor portion for more than 1 year continuously!

We recommend our lightning sensor LSU-10 for general alarm use, or our lightning sensor LSU-30 for lightning counting use.

Any 'wireless baby monitor' transmitter can send the lightning alarm sounds to the portable receiver. There are no modifications to the unit, except for gluing the alarm buzzer to the front of the baby monitor unit. Shown below is the alarm circuit wired up and

connected to the sensor's two-wire cable. The lightning sensor is mounted outdoors. The baby monitor is located indoors.

I hope this helps everyone in the this years thunderstorm season, and hurricane season. Lets stick together and make this happen especially for 6 meter users that have this range.

Adam Ebel 49N4AE I am on stand by for now!

Hurricane Isabel 49 MHz Coverage via 49.860 on Sept 18, 2003.

484. 5 mile frs radios

Yahoo group: 49megahertz
Date: 2004-05-09 04:15:12 UTC
From: allanegleston
Topic: 484 Message: 484

Does any one know about "5 mile frs radios"? are these things leagel?
Is there a frs board where I could also pose this question?
Boy a 5 mile 49 mhz radio would do wonders for that part of the
spectrum! 73's allan.

485. Re: 5 mile frs radios

Yahoo group: 49megahertz
Date: 2004-05-09 19:26:22 UTC
From: Steven Coles
Topic: 484 Message: 485

Allan,

That's a very good question. Most FRS transceivers claiming more than a 2-mile range are combination FRS/GMRS units. They have a 0.5-watt mode with about a 2-mile range under ideal conditions. They have a 2-watt, or so, mode with a 5 to 7-mile range under ideal conditions.

Clearly operating in the GMRS mode requires a GMRS license. The Radio Shack 21-1905 I just bought came on a display card saying no license was needed when using channels 8-14 (where the 2-watt mode is locked out). However, the booklet that came with the transceiver says a license is required.

I just sent an email to the Personal Radio Steering Group at

http://www.provide.net/~prsg/home.htm

asking for their opinion. They may very well refer me to the FCC.

Some longer range transceivers may have superior receivers and a scanning mode improving the odds of a chance contact even using the FRS mode.

Searching on FRS at

http://groups.yahoo.com/

Brings up 80 hits of which about half actually have something to do with FRS.

Regards,

Steven

--- In 49megahertz@yahoogroups.com, "allanegleston" <allanegleston@y...> wrote:
> Does any one know about "5 mile frs radios"? are these things leagel?
> Is there a frs board where I could also pose this question?
> Boy a 5 mile 49 mhz radio would do wonders for that part of the
> spectrum! 73's allan.

486. Re: [49MHz] 5 mile frs radios

Yahoo group: 49megahertz
Date: 2004-05-09 19:51:50 UTC
From: Peter Abraham - KB7INO
Topic: 484 Message: 486

Hello!

Actually those FRS Radios have GMRS Radio channels as
well, and the GMRS channels put out up tp 2 watts.
You would need a license to operate on those channels.

I doubt you'd get 5 miles going from HT to HT.
You'd probably get it from HT to base... since it is a
licensed band, you can use external antennas and I
belive up ot 50 watts...

I am not familiar with GMRS, I belive you have to pay
~$75 every few years to maintain the license...

At 49 MHz... I found that distance isn't the problem,
but rather all the Baby monitors that come up along
the way. I live on a side of a hill, I heard my 49 MHz
radio 0.5 miles away... but By this point it was
fading in and out due to the capture effect from other
baby monitors.\
-Peter

--- allanegleston <allanegleston@...> wrote:
> Does any one know about "5 mile frs radios"? are
> these things leagel?
> Is there a frs board where I could also pose this
> question?
> Boy a 5 mile 49 mhz radio would do wonders for that
> part of the
> spectrum! 73's allan.
>
>

_____
Do you Yahoo!?
Win a $20,000 Career Makeover at Yahoo! HotJobs
http://hotjobs.sweepstakes.yahoo.com/careermakeover

487. Re: [49MHz] 5 mile frs radios

Yahoo group: 49megahertz
Date: 2004-05-09 21:46:55 UTC
From: Steven Coles
Topic: 484 Message: 487

Peter,

I checked the Personal Radio Steering Group website and they agree with you about range. GMRS 2 to 4-watt handheld transceiver to handheld transceiver range is typically 0.5 to 1.0 miles.

As the scan mode on my GMRS/FRS receiver has picked up 3 conversations at once a couple times today, there must be rather dense usage around here.

Regards,

Steven

--- In 49megahertz@yahoogroups.com, Peter Abraham - KB7INO <kb7ino_egroups@y...> wrote:
> Hello!
>
> Actually those FRS Radios have GMRS Radio channels as
> well, and the GMRS channels put out up tp 2 watts.
> You would need a license to operate on those channels.
>
> I doubt you'd get 5 miles going from HT to HT.
> You'd probably get it from HT to base... since it is a
> licensed band, you can use external antennas and I
> belive up ot 50 watts...
>
> I am not familiar with GMRS, I belive you have to pay
> ~$75 every few years to maintain the license...
>
> At 49 MHz... I found that distance isn't the problem,
> but rather all the Baby monitors that come up along
> the way. I live on a side of a hill, I heard my 49 MHz
> radio 0.5 miles away... but By this point it was
> fading in and out due to the capture effect from other
> baby monitors.\
> -Peter
>

488. To KB7INO

Yahoo group: 49megahertz
Date: 2004-05-12 03:14:42 UTC
From: Steven Coles
Topic: 488 Message: 488

Peter,

The on-line call book has you more or less in the neighborhood.

KD7YTE Tech+

489. 7Lander

Yahoo group: 49megahertz
Date: 2004-05-12 03:22:35 UTC
From: KD7JYK
Topic: 489 Message: 489

I'm in 7 as well...

KD7JYK

Ross Technologies Signals Intelligence Division
Rosetta Proving Ground

490. Re: 7Lander

Yahoo group: 49megahertz
Date: 2004-05-12 22:05:59 UTC
From: John H. Guetherman
Topic: 489 Message: 490

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@r...> wrote:
> I'm in 7 as well...
>
> KD7JYK
>
> ---
> Ross Technologies Signals Intelligence Division
> Rosetta Proving Ground
>

Same here.

John H. Guetherman
KB7MIB Tech+
WPXJ598 GMRS
Peoria, AZ.

491. 49mhz antennas

Yahoo group: 49megahertz
Date: 2004-05-14 02:44:46 UTC
From: allanegleston
Topic: 491 Message: 491

I hear some of you talk about using a dipole antenna or a loop
antenna at 49 mhhz. Are these transmit-recevie antennas???
Please enlighten me.
73's de Allan Egleston kf6uxj/kae4466/49h6ae

492. Re: [49MHz] 49mhz antennas

Yahoo group: 49megahertz
Date: 2004-05-14 03:24:57 UTC
From: tack188@aol.com
Topic: 492 Message: 492

mainly for recieve, the FCC isntt allowing us to transmit on them, so we recieve on them and transmitt on leagal antennas

493. Re: 49mhz antennas

Yahoo group: 49megahertz
Date: 2004-05-14 03:31:12 UTC
From: Steven Coles
Topic: 491 Message: 493

Allan,

As usual modifying the antenna on a FCC-approved Part-15 transmitter invalidates the FCC approval. However, almost anything goes for receiving.

Let's say you're on a rise and can hear a friend on another rise 2000 feet south, but not a friend with identical equipment on a rise 4000 feet west. Assume the signals propagate according to the inverse square law. (Strictly, the inverse square law applies only to free space propagation. But I'll use it as a good enough approximation.) At twice the distance the signal has ½ squared = ¼ the power per square meter. (1/4 the intensity for those who think by analogy to acoustics or optics.) That's

10*Log (1/4) = -6 dB

So if you use an antenna having +6 dB gain over your present antenna, you should hear your friend 4000 feet away.

The 1990 ARRL handbook (page 17-15) indicates a 3-element yagi beam can have a gain of 7 dB. So if your current antenna has a gain of less than 1 dB over an isotropic radiator, you'll likely hear your more distant friend when receiving with a 3-element beam.

Of course you can increase antenna gain by lengthening and/or stacking beams until your neighbors go postal or, at least, start wearing aluminum foil hats.

Regards,

Steven

--- In 49megahertz@yahoogroups.com, "allanegleston" <allanegleston@y...> wrote:
> I hear some of you talk about using a dipole antenna or a loop
> antenna at 49 mhhz. Are these transmit-recevie antennas???
> Please enlighten me.
> 73's de Allan Egleston kf6uxj/kae4466

494. Re: [49MHz] 49mhz antennas

Yahoo group: 49megahertz
Date: 2004-05-14 03:29:56 UTC
From: KD7JYK
Topic: 492 Message: 494

If it transmits, it receives... If it transmits efficiently it will receive well.

The only factor would be power handling. For example, I put 300W into an 8W antenna. The load melted, caught fire, fell onto my truck and burned a hole through the roof. Another low power antenna blew it's top like a firecracker and burned like a candle for five minutes.

Kurt

495. Re: [49MHz] 49mhz antennas

Yahoo group: 49megahertz
Date: 2004-05-14 03:56:22 UTC
From: tack188@aol.com
Topic: 492 Message: 495

Sorry I sent the last message by accident, If I get my moxon rectange recieving as well as I hope to get It Ill let ya know. I dont want to operate outside of the FCC laws needless to say, yet I dont know them as well as others. The setup for most is the leagal 1 meter long antenna hooked up to a leagal power transmitter AND a directional antenna tuned for 49 MHz.

The moxon rectangle is a great RX and TX antenna it is directional but simpler than the yagi in construction, and size especialy for low band applications. I have a hangover so forgive the typos. I have used this antenna for VHF low band and high band applications, mainly for scannerr use, and it is a great preformer.

Here is the best page ive seen on them:

http://www.cebik.com/radio.html

Look for the 6 meter moxon antenna and then the AWG wire antenna calculator link, download that and you will have a great RX antenna. Mine works great, although there arent many NJ 49 MHz stations in the area for me to CQ. But I can recieve great from my radio shack 5 channel radios, and recieve low band transmissions from PD and FD as well.

496. Busy and Power question

Yahoo group: 49megahertz
Date: 2004-05-14 15:34:55 UTC
From: Peter Abraham - KB7INO
Topic: 492 Message: 496

Hello everybody,

I have 2 questions:

First what is the maximum Power out that is allowed on
49 MHz?
- power out of the box
- antenna gain
- max allowed eirp
- combination of the above
I can't seem to find an exact answer.

Second question, how "busy" is 49 MHz for usable
communications.
THe last time I went to a national park, my family
used FRS... and it was WAY busy.
How does 49 MHz fair in these enviornments, are the
channels busy?

Thanks!
Peter

_____
Do you Yahoo!?
SBC Yahoo! - Internet access at a great low price.
http://promo.yahoo.com/sbc/

497. Re: Busy and Power question

Yahoo group: 49megahertz
Date: 2004-05-17 06:43:41 UTC
From: John H. Guetherman
Topic: 492 Message: 497

The rules specify 100milliwatts (1/10th of a watt) from the radio.
The (transmit) antenna length can be no more than one meter.

They do not specify an EIRP or ERP allowed. The extremely low power coupled to an extremely short antenna for the frequency will result in a miniscule ERP.

49MHz should be virtually dead in a BLM/NPS/FWS National Monument/Park/Recreation Area/Reserve/Sea Shore/et al, unless you stumble across some wireless microphone equipment being used on a stage, in an auditorium or ampitheater, or the like.

Your main concern would be range. Don't expect more than a few hundred yards at best, and obstructions such as terrain or structures will quickly cut that down. Basically, if you can see them, but are out of shouting range, they should work okay.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

--- In 49megahertz@yahoogroups.com, Peter Abraham - KB7INO <kb7ino_egroups@y...> wrote:
> Hello everybody,
>
> I have 2 questions:
>
> First what is the maximum Power out that is allowed on
> 49 MHz?
> - power out of the box
> - antenna gain
> - max allowed eirp
> - combination of the above
> I can't seem to find an exact answer.
>
> Second question, how "busy" is 49 MHz for usable communications. The last time I went to a national park, my family used FRS... and it was WAY busy. How does 49 MHz fair in these enviornments, are the channels busy?
>
> Thanks!
> Peter
>

498. Re: Busy and Power question

Yahoo group: 49megahertz
Date: 2004-05-18 02:45:09 UTC
From: Steven Coles
Topic: 492 Message: 498

Peter,

1. OET Bulletin 63 has a table containing Part-15 signal strength limits:

http://www.fcc.gov/oet/info/documents/bulletins/#63

For 49.82 to 49.90 MHz it gives a limit of 10,000 uV/meter at 3 meters. For most bands Part-15 itself gives more options than OET 63.

Further down OET 63 offers:

"Although the precise relationship between power and field strength can depend on a number of additional factors, a commonly-used equation to approximate their relationship is:

PG/(4piD^2) = (E^2)/120pi

where: P is transmitter power in Watts;
G is the numerical gain of the transmitting antenna relative to an isotropic source;
D is the distance of the measuring point from the electrical center of the antenna in meters; and,
E is field strength in volts/meter.
4BD^2 is the surface area of the sphere centered at the radiating source whose surface is D meters from the radiating source. 120B is the characteristic impedance of free space in ohms."

Best to look that up at the OET web site. My word processor messed it up a bit.

2. For parks I'm mostly extrapolating from my experience with 49 MHz bike transceivers along King County, Washington's Burke-Gillman trail.

A. 49 MHz transceivers normally can provide communications between cars in a car caravan. Bird watchers and "in service" teacher nature training often use transceivers (usually FRS) this way.

B. For most car and tent camp grounds in Pacific Northwest national and state parks 49 MHz transceivers should reach from one end of the campground to the other. Transceivers could be useful when camping with a multi-car group not having adjacent sites within the camp ground. Streams boarder many PNW campgrounds and 49 MHz transceivers should provide contact with friends walking or fishing nearby.

C. Likewise, 49 MHz transceivers should reach from one end of a group of rental cabins to the other. Ditto adjacent rental cabin or motel businesses.

D. How about rental paddle boat to paddle boat or shore?

Chances are most of the QRM will be from kids using toy walkie talkies. Baby monitors are possible even in rental cabins and trailer camping. I'd be surprised to find all 5 channels in use.

Regards,

Steven

--- In 49megahertz@yahoogroups.com, Peter Abraham - KB7INO <kb7ino_egroups@y...> wrote:
> Hello everybody,
>
> I have 2 questions:
>
> First what is the maximum Power out that is allowed on
> 49 MHz?
> - power out of the box
> - antenna gain
> - max allowed eirp
> - combination of the above
> I can't seem to find an exact answer.
>
> Second question, how "busy" is 49 MHz for usable
> communications.
> THe last time I went to a national park, my family
> used FRS... and it was WAY busy.
> How does 49 MHz fair in these enviornments, are the
> channels busy?
>
> Thanks!
> Peter
>

500. ADMIN Re: [49MHz] my bills are gone!

Yahoo group: 49megahertz
Date: 2004-05-21 17:21:35 UTC
From: 49MHz Experimental Radio Club
Topic: 500 Message: 500

Sorry for the spam, this spammer has been banned from the list.

73 de Michael 49H3MA
President, 49MHz ERC

On May 21, 2004, at 8:44 AM, veronica_o8l@... wrote:

> hey hey, just thought id tell you guys about this free debt
> consolidation site that reduced my monthly payments by damn near half,
> no more worries about bills!
>
> http://erjdcxy.mycrowsoft.com
>
> I posted this on 49megahertz, if you dont want to be a member anymore
> just email 49megahertz-unsubscribe@yahoogroups.com

501. ADMIN Re: [49MHz] my bills are gone!

Yahoo group: 49megahertz
Date: 2004-05-23 22:02:06 UTC
From: avalidid
Topic: 500 Message: 501

--- In 49megahertz@yahoogroups.com, 49MHz Experimental Radio Club
<49MHzERC@h...> wrote:
> Sorry for the spam, this spammer has been banned from the list.
>

Can you delete it?

502. Re: ADMIN Re: [49MHz] my bills are gone!

Yahoo group: 49megahertz
Date: 2004-05-24 02:03:17 UTC
From: 49MHz Experimental Radio Club
Topic: 500 Message: 502

There's no way to delete the spam out of other people's mailboxes, but
I banned the spammer so they can't send any further spam mails.

73 de Michael 49H3MA
President, 49MHz ERC

503. travel

Yahoo group: 49megahertz
Date: 2004-05-26 01:53:16 UTC
From: allanegleston
Topic: 503 Message: 503

Have unscribed from the qth lowfer group.
Now can exclusivly concentrate on 49 mhz frs and 2m ham.
Will scan for cordless phones in my neighborhood before attempting to
send argo on 49.830. Am going on vaca and thinking of taking my rigs
with me. To net control, am glad that you got rid of that spammer.
73's Allan kf6uxj

504. Re: [49MHz] travel

Yahoo group: 49megahertz
Date: 2004-05-26 02:18:33 UTC
From: KD7JYK
Topic: 504 Message: 504

There is a 49 millihertz FRS band???

Kurt

----- Original Message -----
From: allanegleston <allanegleston@...>

49 mhz frs and 2m ham.

505. Re: [49MHz] travel

Yahoo group: 49megahertz
Date: 2004-05-26 03:13:39 UTC
From: John H. Guetherman
Topic: 504 Message: 505

I think he just forgot a comma between 49 mhz and frs.

And yeah, mhz (actually mHz) is millihertz, and MHz is megahertz. Big difference. And a pet peev to some folks.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@r...> wrote:
> There is a 49 millihertz FRS band???
>
> Kurt
>
> ----- Original Message -----
> From: allanegleston <allanegleston@y...>
>
> 49 mhz frs and 2m ham.

506. Re: travel

Yahoo group: 49megahertz
Date: 2004-05-26 03:18:19 UTC
From: John H. Guetherman
Topic: 503 Message: 506

--- In 49megahertz@yahoogroups.com, "allanegleston"
<allanegleston@y...> wrote:
> ...Am going on vaca and thinking of taking my rigs
> with me...
>
> 73's Allan kf6uxj
>

I'm looking at a roadtrip from here to Montana again this year, in August. I plan to bring my pair of TRC-512's with me, and will probably monitor 2 channels on the drive up and back with them. I don't have a decent low-band capable mag-mount antenna, so I probably won't have them programmed into my scanner.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

507. Re: [49MHz] travel

Yahoo group: 49megahertz
Date: 2004-05-26 04:24:39 UTC
From: KD7JYK
Topic: 504 Message: 507

Especially to those of us who operate in both mHz and MHz.

Kurt

----- Original Message -----
From: John H. Guetherman <jhguetherman@...>

> And yeah, mhz (actually mHz) is millihertz, and MHz is megahertz. Big
> difference. And a pet peev to some folks.

508. re: travel

Yahoo group: 49megahertz
Date: 2004-05-26 05:24:07 UTC
From: allanegleston
Topic: 503 Message: 508

Opps! Sorry about the slip up!
I forgot to insert commas between 49 mhz, frs, and 2 meters.
Hope this clears up the misunderstading. 73's Allan

509. Past "Baby Monitor" Product Recall Due to Electrical Fire

Yahoo group: 49megahertz
Date: 2004-05-31 18:38:10 UTC
From: Bangers with Nikons
Topic: 509 Message: 509

I wouldn't want this one burning up my shack...or baby....not sure if it was 49 MHz band or not but due to the date of the story, it probably was. The original recall was in 1996 and was followed-up in 2003. "Smoking in bed." Not funny.

<http://www.cpsc.gov/cpscpub/prerel/prhtml97/97002.html>

<http://www.state.co.us/gov_dir/cdps/FireSafety/Gfsi/pr010398.htm>

January 3, 1998

Baby Monitor Fire Stuns Parents

LAKEWOOD, Colorado -- Parents of a 3 month-old baby were shocked to learn that a product designed to help keep their baby safe in fact ignited a fire in the baby's cradle.

Tanya and Mike Lucero's baby wasn't in the cradle when the fire started Thursday night. But they're worried that the Gerry Baby Products monitor could have endangered their 3-month-old son.

"You think these things are tested. They go right next to your kid," Mike Lucero said Friday. "It shouldn't explode."

The baby monitor is a walki-talkie device that allowed the Luceros to listen in on their son, Michael, while he was in his cradle and the parents were elsewhere in the house.

But about 8 p.m. Thursday, the Gerry monitor sparked a blaze that shot up 3-foot flames in less than five minutes.

"I would have rather it been a lamp or an electrical appliance, something easier to take," said Tanya Lucero.

The monitor was similar to a model that Gerry voluntarily recalled in October 1996 because of electrical problems. A statement issued during the recall said the wiring in the Gerry Deluxe Baby Monitors Model 602 were improperly connected and caused overheating.

The Luceros owned Model 603, but fire investigators determined there was no other ignition source besides the monitor for the blaze at the family's townhome in Jefferson County, said Cindy Matthews, spokeswoman for the West Metro Fire Protection District.

Officials with Gerry Baby Products or its parent company, Evenflo Co., could not be reached for comment. Recordings at the two companies said offices were closed for the holidays.

Officials at Gerry's former parent company, Huffy Corp., which sold Gerry last year, also couldn't be reached.

In October 1996, Gerry reported that it knew of only one fire caused by a wiring defect in the Model 602, according to a company statement. That fire resulted in no injuries, the company said.

But the U.S. Consumer Product Safety Commission received reports of two other fires, one with a fatality, caused by the monitors. Another 13 incidents were reported of the monitors getting warm to the touch, burning the skin of one victim. The company said only the one fire could be definitely linked to the monitor.

Officials with U.S. Consumer Product Commission said they could not release any information on whether it had reports of other Gerry monitors having problems until the company reviewed information the commission might release. That would take more than 30 days, a commission spokesman said.

The Luceros were frustrated that they didn't have an inkling that there could even be a potential problem.

"When somebody wants to sell something on TV it's on every five minutes," Mike Lucero said.

"I think they did a terrible job of notifying people," Tanya Lucero said.

Not hearing about a potential danger was all the more shocking for the couple because Mike Lucero had worked on repairing fire damage to homes for a construction company for more than two years and had hear about almost every potential fire hazard.

"That would have never been on our list of fire starters," said Tanya Lucero.

On Thursday night, she left her son sleeping on the living room couch - contrary to her motherly instincts to put him in his crib - while she ran to the upstairs bedroom for a loan of dirty laundry.

She said she noticed no strange smalls while in the second-floor bedroom but that in the three to four minutes it took to go to the basement and put the load in the washer, the townhome's smoke alarm went off.

She said she went upstairs to see what the problem was and saw flames leaping from the couple's waterbed next to the cradle before she reached the top of the stairs.

"I came up and the bed was in flames," Tanya Lucero said. "I just grabbed by baby and ran."

She said she ran to a next-door neighbor's house to call 911. Mike Lucero had left shortly before to go to the store with the couple's 4-

year-old daughter.

The couple used the same monitor with their daughter but had stored it until their son was born recently, she said.

The couple's bedroom, bathroom and daughter's room were charred and the cradle destroyed.
---

510. website down

Yahoo group: 49megahertz
Date: 2004-06-01 03:41:16 UTC
From: allanegleston
Topic: 510 Message: 510

The 49 Mhz. Website at qsl net is down.
Just found that out. Apperently the page master is re-doing the page.
73's de Allan Egleston kf6uxj/49h6ae/kae4466

511. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-06-01 12:58:27 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 511

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

512. Re: [49MHz] website down

Yahoo group: 49megahertz
Date: 2004-06-01 14:22:22 UTC
From: 49MHz Experimental Radio Club
Topic: 510 Message: 512

Yep, that it is.

As soon as I fix some linking issues in the next few days, there will be a new, revised site that looks a lot cooler.

73 de Michael 49H3MA
President, 49MHz ERC

513. New 49MHz Website

Yahoo group: 49megahertz
Date: 2004-06-05 02:34:39 UTC
From: 49MHz Experimental Radio Club
Topic: 513 Message: 513

Hi everyone,

I just wanted to let you all know that I've finally revised the 49MHz Experimental Radio Club web page which can be found at http://www.qsl.net/49mhz/.

Right now it seems that the QSL.net web gateway isn't working, but as soon as it is you'll be able to see the new, improved web site with the really cool new "Reference" area. I hope that sometime in the near future when I have free time I'll be able to move everything from the "Files" section of the YahooGroup to the site.

In related news, I'll be away from most of June to the 4th of July, so club applications will not be processed. In fact, there will be no response to any emails, so I haven't disappeared or died, but the applications won't be processed. I have one filed away now which I'll try to file ASAP.

Please respond to the group with any comments!

Thanks!

Michael 49H3MA
President, 49MHz Experimental Radio Club
http://www.qsl.net/49mhz/
49MHzERC@...

514. Re: [49MHz] New 49MHz Website

Yahoo group: 49megahertz
Date: 2004-06-05 15:00:47 UTC
From: Rev. Robert P. Chrysafis
Topic: 514 Message: 514

You messed up the links in the reference section. Remember qsl.net runs on a
linux box. links are case sensitive under linux.

Rev. Robert P. Chrysafis
Universal Life Ministries [ULC]

88.3 FM Stereo 1000 AM Stereo
100,000 MicroWatts of Community Power!!
----- Original Message -----
From: "49MHz Experimental Radio Club" <49MHzERC@...>
To: <49megahertz@yahoogroups.com>
Sent: Friday, June 04, 2004 10:34 PM
Subject: [49MHz] New 49MHz Website

> Hi everyone,
>
> I just wanted to let you all know that I've finally revised the 49MHz
> Experimental Radio Club web page which can be found at
> http://www.qsl.net/49mhz/.
>
> Right now it seems that the QSL.net web gateway isn't working, but as
> soon as it is you'll be able to see the new, improved web site with the
> really cool new "Reference" area. I hope that sometime in the near
> future when I have free time I'll be able to move everything from the
> "Files" section of the YahooGroup to the site.
>
> In related news, I'll be away from most of June to the 4th of July, so
> club applications will not be processed. In fact, there will be no
> response to any emails, so I haven't disappeared or died, but the
> applications won't be processed. I have one filed away now which I'll
> try to file ASAP.
>
> Please respond to the group with any comments!
>
> Thanks!
>
> Michael 49H3MA
> President, 49MHz Experimental Radio Club
> http://www.qsl.net/49mhz/
> 49MHzERC@...
>
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>
> Yahoo! Groups Links

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515. Re: [49MHz] New 49MHz Website

Yahoo group: 49megahertz
Date: 2004-06-05 20:00:12 UTC
From: 49MHz Experimental Radio Club
Topic: 514 Message: 515

On Jun 5, 2004, at 11:00 AM, Rev. Robert P. Chrysafis wrote:
> You messed up the links in the reference section. Remember qsl.net
> runs on a
> linux box. links are case sensitive under linux.

Which ones? I looked at the links on my machine and didn't see anything
messed up.

Michael 49H3MA
President, 49MHz Experimental Radio Club
http://www.qsl.net/49mhz/
49MHzERC@...

516. Re: [49MHz] New 49MHz Website

Yahoo group: 49megahertz
Date: 2004-06-05 20:13:44 UTC
From: Rev. Robert P. Chrysafis
Topic: 514 Message: 516

These from the reference section......

http://www.qsl.net/frequencies/10channel.txt

http://www.qsl.net/frequencies/25channel.txt

http://www.qsl.net/frequencies/6channel.txt

http://www.qsl.net/49mhz/reference/sop.txt

http://www.qsl.net/frequencies/misc.txt

http://www.qsl.net/frequencies/trc512.txt

http://www.qsl.net/fcc/Part1.txt

http://www.qsl.net/fcc/Part2.txt

Rev. Robert P. Chrysafis
Universal Life Ministries [ULC]

88.3 FM Stereo 1000 AM Stereo
100,000 MicroWatts of Community Power!!
----- Original Message -----
From: "49MHz Experimental Radio Club" <49MHzERC@...>
To: <49megahertz@yahoogroups.com>
Sent: Saturday, June 05, 2004 4:00 PM
Subject: Re: [49MHz] New 49MHz Website

> On Jun 5, 2004, at 11:00 AM, Rev. Robert P. Chrysafis wrote:
> > You messed up the links in the reference section. Remember qsl.net
> > runs on a
> > linux box. links are case sensitive under linux.
>
> Which ones? I looked at the links on my machine and didn't see anything
> messed up.
>
> Michael 49H3MA
> President, 49MHz Experimental Radio Club
> http://www.qsl.net/49mhz/
> 49MHzERC@...
>
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> Yahoo! Groups Links

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>

517. Re: [49MHz] New 49MHz Website

Yahoo group: 49megahertz
Date: 2004-06-05 22:11:40 UTC
From: 49MHz Experimental Radio Club
Topic: 514 Message: 517

Oh, my bad. I thought you were referring to the Links page. I'll fix
those ASAP, looks like I missed that page while I was editing.

> Michael 49H3MA
> President, 49MHz Experimental Radio Club
> http://www.qsl.net/49mhz/
> 49MHzERC@...

518. Re: [49MHz] New 49MHz Website

Yahoo group: 49megahertz
Date: 2004-06-05 22:20:49 UTC
From: 49MHz Experimental Radio Club
Topic: 514 Message: 518

The problem has now been fixed.

Michael 49H3MA
President, 49MHz Experimental Radio Club
http://www.qsl.net/49mhz/
49MHzERC@...

520. Universal Calling Frequency Proposed

Yahoo group: 49megahertz
Date: 2004-06-13 17:46:26 UTC
From: Steven Coles
Topic: 520 Message: 520

All,

QRPBear has suggested a universal calling frequency for finding other Part-15 operators. His selection is:

FRS channel 8 with CTCSS tone #21.

His explanation appears below. While FRS is not Part-15, $40 and a trip to an FRS sale gets you on the calling frequency while leaving most of your time and debit card for the Part-15 band and application you have your heart in.

Your comments please.

Comments are also welcome at:

http://groups.yahoo.com/group/LUTT/

Regards,

Steven

Steve,

Channel 8, CTCSS tone #21 (131.8 Hz).

Channel 8 is the lowest of the 467 MHz FRS frequencies... I chose the 467 MHz range because of better tx antenna efficiency.

CTCSS tone #21 at 131.8 is far enough removed from AC power line harmonics and mixing products of them to be immune from "falsing" due to that kind of thing. It has a high enough pitch that it does not impart a "growly" character to the audio and pitched low enough that it should be inaudible.

73,

'Bear' NH7SR

521. Re: [49MHz] Universal Calling Frequency Proposed

Yahoo group: 49megahertz
Date: 2004-06-13 22:48:42 UTC
From: August
Topic: 520 Message: 521

This makes as much sense as calling me on the telephone to tell me to talk to you on
2 meters!!!!

100 mw on 49 MHz, with an efficient antenna, should run away from 500 mw at 467 MHz with a fixed, VERY POOR antenna in the first place?

Am I missing something here??? What's wrong with 49.083 MHz or????

August
==========

Steven Coles wrote:

> All,
>
> QRPBear has suggested a universal calling frequency for finding
> other Part-15 operators. His selection is:
>
> FRS channel 8 with CTCSS tone #21.
>
> His explanation appears below. While FRS is not Part-15, $40 and a
> trip to an FRS sale gets you on the calling frequency while leaving
> most of your time and debit card for the Part-15 band and
> application you have your heart in.
>
> Your comments please.
>
> Comments are also welcome at:
>
> http://groups.yahoo.com/group/LUTT/
>
> Regards,
>
> Steven
>
> Steve,
>
> Channel 8, CTCSS tone #21 (131.8 Hz).
>
> Channel 8 is the lowest of the 467 MHz FRS frequencies... I chose
> the 467 MHz range because of better tx antenna efficiency.
>
> CTCSS tone #21 at 131.8 is far enough removed from AC power line
> harmonics and mixing products of them to be immune from "falsing"
> due to that kind of thing. It has a high enough pitch that it does

> not impart a "growly" character to the audio and pitched low enough
> that it should be inaudible.
>
> 73,
>
> 'Bear' NH7SR
>

522. Re: [49MHz] Universal Calling Frequency Proposed

Yahoo group: 49megahertz
Date: 2004-06-15 00:28:21 UTC
From: Steven Coles
Topic: 520 Message: 522

August,

Thank you for your reply.

I'm trying to find a solution a two-part problem.

Part A: A lack of spontaneous contacts. In my experience it's been common for 6 meter operators to telephone asking for transmitter checks. However, I don't know the telephone numbers of any 49 MHz operators near enough for checking homebrew equipment performance. A calling frequency would remove the need to know the person's phone number.

My objection to 49.83 MHz is at my location it's been jammed by any one of 3 baby monitors 80% of the last year. While a good 49 MHz transceiver might in principle give FRS a good challenge, in practice that doesn't happen here. Also, I haven't found an affordable 49 MHz transceiver with squelch and a speaker for convenient monitoring. Guess I could acoustically couple my better transceiver to a speaker amplifier.

Part B: I want to be open to contact on a number of Part-15 frequencies. Somebody working LoFer, MedFer, HiFer, 27 MHz, or 2.4 GHz Part-15 may not want to spend $170 on a scanner to monitor 49.83 MHz. That's over 4 times what I paid for an FRS handheld with squelch.

I enjoy building equipment and will build a station for whatever Part-15 frequency is active around here□providing I can find the other Part-15 operators.

I'll give 49 MHz 2 points for this round. 1. A good receiving antenna can be inexpensive and fit in a closet or attic (important to us apartment dwellers). 2. If we all collect statistics, we can probably find a rarely jammed 49 MHz channel.

My goals are meeting other Part-15 operators while:
A. using readily available monitoring equipment that
B. avoids frequently jammed channels,
C. costs the same or a little more than an FRS transceiver, and
D. allows quiet monitoring either by using squelch or tone trigger.

Do we have overlapping goals? Your suggestions are most welcome.

Regards,

Steven

--- In 49megahertz@yahoogroups.com, August <ahoecker@c...> wrote:
> This makes as much sense as calling me on the telephone to tell me
to
> talk to you on
> 2 meters!!!!
>
> 100 mw on 49 MHz, with an efficient antenna, should run away from
500 mw
> at 467 MHz with a fixed, VERY POOR antenna in the first place?
>
> Am I missing something here??? What's wrong with 49.083 MHz or????
>
> August
> ==

525. vacation

Yahoo group: 49megahertz
Date: 2004-06-25 02:33:49 UTC
From: allanegleston
Topic: 525 Message: 525

Went on vacation, and took my 2 meter hand held and my f.r.s rig and my 49 m.c. rig. Heard more traffic on family radio than 49 m.c. and no traffic on 2 m. 73's Allan

527. Re: vacation

Yahoo group: 49megahertz
Date: 2004-06-29 01:48:29 UTC
From: Bangers with Nikons
Topic: 525 Message: 527

Where did you go?

--- In 49megahertz@yahoogroups.com, "allanegleston"
<allanegleston@y...> wrote:
> Went on vacation, and took my 2 meter hand held and my f.r.s rig
and
> my 49 m.c. rig. Heard more traffic on family radio than 49 m.c. and
> no traffic on 2 m. 73's Allan

528. re: vacation

Yahoo group: 49megahertz
Date: 2004-06-29 04:16:31 UTC
From: allanegleston
Topic: 525 Message: 528

Went to Kingman Arizona.
73's Allan

529. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-07-01 12:54:04 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 529

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

530. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2004-07-02 05:43:58 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 530

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/Radio Shack TRC-509 manual.pdf
Uploaded by : ha800b <ha800b@...>
Description : TRC-509 Owner's Manual

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Schematics/Radio%20Shack%20TRC-509%20manual.pdf

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

ha800b <ha800b@...>

531. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2004-07-02 05:46:06 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 531

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/Radio Shack TRC-512 manual.pdf
Uploaded by : ha800b <ha800b@...>
Description : TRC-512 Owner's Manual

You can access this file at the URL

http://groups.yahoo.com/group/49megahertz/files/Schematics/Radio%20Shack%20TRC-512%20manual.pdf

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

ha800b <ha800b@...>

532. [ADMIN] Spam Problems

Yahoo group: 49megahertz
Date: 2004-07-04 01:22:05 UTC
From: 49MHz Experimental Radio Club
Topic: 532 Message: 532

Hello all,

I am working on eliminating the spam from this group. I'm looking into the possibility of banning the spammer by IP if possible (he may have a static IP and may not be spoofing), but nothing has happened yet.

Please do not respond to the spammer or post responses or ban requests. I'm doing my best, and constant responses to spam just add more effective "spam" to the group.

Thank you!

Michael 49H3MA
President, 49MHz ERC

533. Radio Shack Mic Receiver 49.830, $25.00 shipped

Yahoo group: 49megahertz
Date: 2004-07-06 22:59:38 UTC
From: Rev. Robert P. Chrysafis
Topic: 533 Message: 533

Got a wireless mic receiver on 49.830, $25.00 Shipped

Rev. Robert P. Chrysafis
Universal Life Ministries [ULC]

88.3 FM Stereo 1000 AM Stereo
100,000 MicroWatts of Community Power!!

534. Photo Posted: Found a Nintendo 64 brand walkie talkie review

Yahoo group: 49megahertz
Date: 2004-07-16 23:28:27 UTC
From: Adam Ebel
Topic: 534 Message: 534

I came across this radio that looks like a toy, but the sound quality is pretty good. Also I have tested this radio with my Pro 2035, and the audio is AM mode quality, another speaker mic.

Anyways for anyone interested in this little rig, the frequency is 49.860 like others it runs on a 9Volt battery, used a Enercell with the radio. Volume control is stiff. And the CW or Morse Code is a high pitched tone, not like others. Another cheap radio.

Photos are in the photo section. Pic 1 is a whole view of the rig Pic 2 is a close up view of the rig.

Frequency :49.860 MHz
Made In China FCC ID : N57863

Members! Stay tuned cause I will be soon getting another set of radios from a Family Dollar store, and I will be posting another test on the radios that they offer for $2.00 then I will one day collect other 49 MHz lost and found rigs. Adam Ebel

535. 49 mhz computer keyboards

Yahoo group: 49megahertz
Date: 2004-07-18 14:55:17 UTC
From: allanegleston
Topic: 535 Message: 535

Found some links and sites offering 49 mhz computer keyboards.
these seem to have ten channels.
73's Allan

536. re: 49 mhz computer keyboards

Yahoo group: 49megahertz
Date: 2004-07-18 14:57:17 UTC
From: allanegleston
Topic: 535 Message: 536

Heres the link.
http://www.chirpingbat.com/rfkeyboard.shtml
73's Allan

537. 49.83 mhz

Yahoo group: 49megahertz
Date: 2004-07-23 01:02:26 UTC
From: allanegleston
Topic: 537 Message: 537

Have been messing around on 49.83 m.h.z using a computer program called "ham comm". Have been using c.w. (morse code) and radio teletype signals. My transmitter is a radio shack 49 m.h.z transmitter.
73's Allan

538. Re: [49MHz] 49.83 mhz

Yahoo group: 49megahertz
Date: 2004-07-23 01:28:26 UTC
From: KD7JYK
Topic: 538 Message: 538

MHz. I used to use hamcomm to talk to a friend on 49 MHz back in '93.
Sadly he lost the radio bug. A nice program, numerous modes. I like the
auto receive/log option for capture while I am away.

Kurt

Rosetta Proving Ground, Nevada

----- Original Message -----
From: allanegleston <allanegleston@...>

m.h.z

539. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-08-01 16:57:59 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 539

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

540. Looking to setup a base part 15 49mhz setup

Yahoo group: 49megahertz
Date: 2004-08-02 15:38:43 UTC
From: djboutit12000
Topic: 540 Message: 540

What transmitter & antenna would I need to get in 49mhz & be @ part 15. I am just getting into 49mhz I am a cb operator so I have some radio knowlage.

541. Maxon PC-50s

Yahoo group: 49megahertz
Date: 2004-08-02 21:05:11 UTC
From: kb7ino_egroups
Topic: 541 Message: 541

Hi there!

Is anybody on the group familiar with this radio.

All I know about them is that they are 5 channel, look like real
HT's, and they come with head sets.

Do these radios have PL/CTCSS tones?
How much power do they put out?

Does there speaker mic connection use a typical Icom/Yaesu
connections?

How are they as far as user experience?

Any info would be appreciated.

Thanks!
Peter

542. pc50

Yahoo group: 49megahertz
Date: 2004-08-04 14:59:44 UTC
From: allanegleston
Topic: 542 Message: 542

Where can one find such a rig?
Seems better than my radio shack toy.
73's Allan

543. Re: Looking to setup a base part 15 49mhz setup

Yahoo group: 49megahertz
Date: 2004-08-05 03:05:43 UTC
From: Steven Coles
Topic: 540 Message: 543

Djboutit12000,

May I assume from the way you phased the question you already have some receiving equipment? Scanner, 6-meter converter, modified TV tuner?

Modulation mode?
Radiotelegraph, voice, slow facsimile, slow data?

Location?
Fixed, mobile, handheld?

Distance?
Next apartment, squeeze for all it's worth?

If you want 200 or 300 feet and economy, a $15 toy walkie talkie will work. If you don't want to replace batteries and do want 2 of the 5 channels, you can add a push to talk switch to a 49 MHz baby monitor transmitter. Baby monitors can be found at second hand stores for $3 or $4.

If you want fixed location and a very good receive antenna, and don't mind torch soldering copper pipe, you can assemble a very good antenna for a few tens of dollars.

Please tell us more about the operating modes and distances you wish to use.

Regards,

Steven

--- In 49megahertz@yahoogroups.com, "djboutit12000" <djboutit12000@y...> wrote:
> What transmitter & antenna would I need to get in 49mhz & be @ part
> 15. I am just getting into 49mhz I am a cb operator so I have some
> radio knowlage.

544. Re: Looking to setup a base part 15 49mhz setup

Yahoo group: 49megahertz
Date: 2004-08-05 03:29:15 UTC
From: Steven Coles
Topic: 540 Message: 544

Djboutit12000,

Oops. Sorry. I overlooked some information in the title of you post.

For legal operation you have to get you range from selecting an optimum modulation mode, low noise receiver, and high-gain receiving antenna. A base station provides the best opportunity to optimize antenna performance. Do you have a place for a full blown receiving beam antenna (about 9' wide and twice that long for a 5-element yagi)?

If you want to put out money, you can buy a 6-meter amateur radio beam antenna for receiving.

Regards,

--- In 49megahertz@yahoogroups.com, "djboutit12000" <djboutit12000@y...> wrote:
> What transmitter & antenna would I need to get in 49mhz & be @ part
> 15. I am just getting into 49mhz I am a cb operator so I have some
> radio knowlage.

545. TRC-509 Mod for 6m

Yahoo group: 49megahertz
Date: 2004-08-11 03:32:36 UTC
From: FCeagle@hotmail.com
Topic: 545 Message: 545

Hello,

I have the RadioShack TRC-509 single channel 49.830MHz walkie-talkie.
I was wondering what is involved if I wanted to mod this radio to
cover 6m FM simplex or something, and to increase the power. Perhaps
adding an adjustible squelch, or some features like that...I plan to
add another antenna connection also perhaps an SMA or BNC type.

TNX & 73's,
Fabian X.C.S.
KD5SYH

546. Re: TRC-509 Mod for 6m

Yahoo group: 49megahertz
Date: 2004-08-14 04:56:10 UTC
From: Pete Crapia
Topic: 545 Message: 546

Haven't done any other mods to this radio, yet... but here is a link
to some info.

http://mods.dk/view.php?ArticleId=2659

Pete

--- In 49megahertz@yahoogroups.com, FCeagle@h... wrote:
> Hello,
>
> I have the RadioShack TRC-509 single channel 49.830MHz walkie-
talkie.
> I was wondering what is involved if I wanted to mod this radio to
> cover 6m FM simplex or something, and to increase the power.
Perhaps
> adding an adjustible squelch, or some features like that...I plan
to
> add another antenna connection also perhaps an SMA or BNC type.
>
> TNX & 73's,
> Fabian X.C.S.
> KD5SYH

547. FCC Part 15 Rules and Regulations Posted in Links Section

Yahoo group: 49megahertz
Date: 2004-08-18 00:55:37 UTC
From: Bangers with Nikons
Topic: 547 Message: 547

<http://www.ramseyelectronics.com/downloads/47cfr15.pdf>

548. FCC Guidelines on Low Powered Transmitters Now in Links Section

Yahoo group: 49megahertz
Date: 2004-08-18 00:59:07 UTC
From: Bangers with Nikons
Topic: 548 Message: 548

<http://www.ramseyelectronics.com/downloads/oet63rev.pdf>

549. Re: Maxon PC-50s

Yahoo group: 49megahertz
Date: 2004-08-23 07:27:21 UTC
From: avalidid
Topic: 541 Message: 549

quoting:
> Hi there!
>
>
> Is anybody on the group familiar with this radio.

I have a set.

> All I know about them is that they are 5 channel, look like real
> HT's, and they come with head sets.
>
> Do these radios have PL/CTCSS tones?

No.

> How much power do they put out?

Probably 100mw or less.

> Does there speaker mic connection use a typical Icom/Yaesu
> connections?

Not sure yet.

> How are they as far as user experience?
>
> Any info would be appreciated.
>
> Thanks!
> Peter

550. Re: pc50

Yahoo group: 49megahertz
Date: 2004-08-23 07:29:06 UTC
From: avalidid
Topic: 542 Message: 550

quoting:
> Where can one find such a rig?
> Seems better than my radio shack toy.
> 73's Allan

A set will show up on Ebay once in a while, where I got mine.

551. PC-50 on eBay Now

Yahoo group: 49megahertz
Date: 2004-08-25 20:37:47 UTC
From: Bangers with Nikons
Topic: 542 Message: 551

Doing this so the ads don't ruin the link:

<http://cgi.ebay.com/ws/eBayISAPI.dll?
ViewItem&category=3308&item=5717023159&rd=1&ssPageName=WDVW>

--- In 49megahertz@yahoogroups.com, "avalidid"
<hanson_will_be_destroyed@j...> wrote:
> quoting:
> > Where can one find such a rig?
> > Seems better than my radio shack toy.
> > 73's Allan
>
>
> A set will show up on Ebay once in a while, where I got mine.

552. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-09-01 14:02:50 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 552

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

553. 49MHz ERC News

Yahoo group: 49megahertz
Date: 2004-09-01 21:10:20 UTC
From: 49MHz Experimental Radio Club
Topic: 553 Message: 553

Hi all,

This is actually just a quick email to let you all know that I am alive and well and working on some stuff for the club in the near future.

Because of all the specifications and information in the "Files" section of this group, we're coming close to meeting our file quota. Therefore, I've been getting ready to move the entirety of the files section to the 49MHz Experimental Radio Club website to free up some room here on the group.

Oh, and member registrations. I still have a few from several months ago that need to be processed... sorry about that. Those will be sent out in the next few days.

Also, I've been playing around with the Beta version of Google Groups II... Google's upcoming competitor to YahooGroups. It's much better than YG, and totally ad and spyware free! (Well, actually, I think there are AdWords text ads, but they don't count.) Unfortunately, it doesn't offer file storage, but I think in a few months this might be a good service to switch to for the club.

Please reply to the group if you have any questions or comments!

73 de Michael 49H3MA
President, 49MHz ERC

554. Re: 49MHz ERC News

Yahoo group: 49megahertz
Date: 2004-09-04 01:31:40 UTC
From: avalidid
Topic: 553 Message: 554

--- In 49megahertz@yahoogroups.com, 49MHz Experimental Radio Club
<49MHzERC@h...> wrote:
> Hi all,
>
> This is actually just a quick email to let you all know that I am
alive
> and well and working on some stuff for the club in the near future.
>
> Because of all the specifications and information in the "Files"
> section of this group, we're coming close to meeting our file
quota.
> Therefore, I've been getting ready to move the entirety of the
files
> section to the 49MHz Experimental Radio Club website to free up
some
> room here on the group.
>
> Oh, and member registrations. I still have a few from several
months
> ago that need to be processed... sorry about that. Those will be
sent
> out in the next few days.
>
> Also, I've been playing around with the Beta version of Google
Groups
> II... Google's upcoming competitor to YahooGroups. It's much better
> than YG, and totally ad and spyware free! (Well, actually, I think
> there are AdWords text ads, but they don't count.) Unfortunately,
it
> doesn't offer file storage, but I think in a few months this might
be a
> good service to switch to for the club.
>
> Please reply to the group if you have any questions or comments!
>
> 73 de Michael 49H3MA
> President, 49MHz ERC

I finally got around to puttig online my server. It's got cgi and a
newsgroup server, although the scripts are a little buggy at the
moment, take a look - http://openbrick.kicks-ass.net:82/forum

555. Re: [49MHz] Re: 49MHz ERC News

Yahoo group: 49megahertz
Date: 2004-09-04 03:31:43 UTC
From: 49MHz Experimental Radio Club
Topic: 553 Message: 555

I'm not quite sure how that relates to the group since I couldn't see the page, but it seems that your site is getting a lot of PHP errors on that URL. :-)

73 de Michael 49H3MA
President, 49MHz ERC

556. [49MHz] Re: 49MHz ERC News

Yahoo group: 49megahertz
Date: 2004-09-04 06:06:00 UTC
From: avalidid
Topic: 553 Message: 556

quoting:
> I'm not quite sure how that relates to the group since I couldn't
see
> the page, but it seems that your site is getting a lot of PHP
errors on
> that URL. :-)

I just fixed it up, try this.
http://openbrick.kicks-ass.net:82/forums/49mhz

557. 49 m.c wireless mics

Yahoo group: 49megahertz
Date: 2004-09-11 02:38:07 UTC
From: allanegleston
Topic: 557 Message: 557

Has anyone used wireless microphones and what has been the results of the use of your mics?. have they been ok, or have they been stinkers?.
73's Allan.

558. Re: [49MHz] 49 m.c wireless mics

Yahoo group: 49megahertz
Date: 2004-09-12 23:03:21 UTC
From: 49MHz Experimental Radio Club
Topic: 557 Message: 558

I picked one up at a hamfest a few years ago and played with it for awhile... the range is pretty good... in fact, while testing it, I inadvertently transmitted "Testing, 123... Testing, 123" over the wireless mic one seller was using for his equipment demo. It was a small fire hall, but still, it was a pretty good range.

73 de Michael 49H3MA
President, 49MHz ERC

559. modified 49 m.h.z. cordless phones

Yahoo group: 49megahertz
Date: 2004-09-24 00:47:21 UTC
From: allanegleston
Topic: 559 Message: 559

Have heard that some of you have used modified 49 m.h.z cordless phones. Where can I find such schematics and so on. Thanks in advance.
73's Allan

560. Re: modified 49 m.h.z. cordless phones

Yahoo group: 49megahertz
Date: 2004-10-01 10:40:48 UTC
From: Steven Coles
Topic: 559 Message: 560

Allan,

I was hoping you'd get some good answers to your question. Failing that, here's some observations about a used Radio Shack 43-1107 cordless phone:

The MC3361 narrow band FM IF amplifier spec sheet can still be found on the net.
The crystals are labeled 3.58M and 10.1M.
The ceramic filters are TDK FFE type (105na).
A number of the trimmer resistors and trimmer capacitors have their functions labeled on the PCB (printed circuit board).
The 12 leads to the RF board have abbreviated function designations on the PCB.
The large shield can be removed by removing 4 screws and wicking off 2 small solder blobs.
The 2 smaller shields are attached like a 4-pin through hole DIP and easily removed.
The Rx and Tx areas are marked on the RF PCB.

If nothing else, the IF section appears usable.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "allanegleston" <allanegleston@y...> wrote:
> Have heard that some of you have used modified 49 m.h.z cordless > phones. Where can I find such schematics and so on. Thanks in advance.
> 73's Allan

561. File - Admin1.txt

Yahoo group: 49megahertz
Date: 2004-10-01 15:18:58 UTC
From: 49megahertz@yahoogroups.com
Topic: 234 Message: 561

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

562. re: modified 49.m.h.z cordless phones

Yahoo group: 49megahertz
Date: 2004-10-01 23:41:46 UTC
From: allanegleston
Topic: 562 Message: 562

Thanks for the most useful information!
73's de Allan kf6uxj

563. Where is the action on 49 MHz?

Yahoo group: 49megahertz
Date: 2004-10-03 13:20:34 UTC
From: Adam Ebel
Topic: 563 Message: 563

Group,

Where is the action on 49 MHz? I was on last night, and did not hear no one in my area. I also used my walkie talkie from N64 also the rig was on. How do I contact somebody on 49 MHz? Part 15 is great but no one was on.

I am monitoring 49 MHz as of now, also I may need to get a outdoor 7 meter dipole antenna with amplifier soon.

---------- MY LOG HERE IN VIRGINIA BEACH VA----------
September 29, 2004
49.860 MHz : Remote Control Toy jamming the band with no activity except pulses from the remote control
October 2, 2004 : Picked up a transmitter then went off after 2 seconds.

----------CURRENT ACTIVITY HERE AS OF 9:19 AM----------

49.830 MHz : Closed Channel Dead Carrier (Baby Monitor)
49.845 MHz : Open Channel/w weak baby monitor transmissions
49.860 MHz : Open Channel - AVALIABLE
49.875 MHz : Open Channel - weak signal (Baby Monitor)
49.890 MHz : Closed Channel - moderate signal

Hope to talk to someone and also get this hobby out.
Adam Ebel 49N4AE

564. Re: Where is the action on 49 MHz?

Yahoo group: 49megahertz
Date: 2004-10-07 03:22:33 UTC
From: Steven Coles
Topic: 563 Message: 564

Adam,

To a large extent the action on 49 MHz is where you make it. For instance using 49 MHz transceivers to communicate between 2 people (such as 1 operating the control point while another adjusts the antenna) may attract others to "break in."

How about a meteor shower survey? Sometimes the best north-facing location is a block from the best south-facing location. Observes can stay in touch via 49 MHz.

Around here 49 MHz operates very nicely over distances separating friends who are loosely bicycling or kayaking together.

A significant percent of the action on 49 MHz is circuit education and evaluation with little or no associated communications. Combination 49 MHz/6-meter converters fall into just about the sweetest part of the spectrum for basic to moderate receiver front-end self education. I always listen before and after firing up a transmitter for experimental reasons.

The activity of this group comes and goes. You'll probably receive other replies soon.

If you're monitoring, you can monitor 49 MHz, FRS, LoFer, MedFer, HiFer, ULF natural radio, and a number of others at the same time.

You have a good imagination. I'm sure you can think of many ways to benefit from 49 MHz and increase its use in Virginia Beach.

Please report back on your experiences.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "Adam Ebel" <electronicdx@y...>
wrote:
>
>
> Group,
>
> Where is the action on 49 MHz? I was on last night, and did not
> hear no one in my area. I also used my walkie talkie from N64
> also the rig was on. How do I contact somebody on 49 MHz? Part
> 15 is great but no one was on.
>
> I am monitoring 49 MHz as of now, also I may need to get a

outdoor
> 7 meter dipole antenna with amplifier soon.
>
> ------------- MY LOG HERE IN VIRGINIA BEACH VA-----------------
> September 29, 2004
> 49.860 MHz : Remote Control Toy jamming the band with no
activity
> except pulses from the remote control
> October 2, 2004 : Picked up a transmitter then went off after 2
> seconds.
> --
> --------------CURRENT ACTIVITY HERE AS OF 9:19 AM--------------
>
> 49.830 MHz : Closed Channel Dead Carrier (Baby Monitor)
> 49.845 MHz : Open Channel/w weak baby monitor transmissions
> 49.860 MHz : Open Channel - AVALIABLE
> 49.875 MHz : Open Channel - weak signal (Baby Monitor)
> 49.890 MHz : Closed Channel - moderate signal
> --
>
> Hope to talk to someone and also get this hobby out.
> Adam Ebel 49N4AE

566. Re: [49MHz] Important Letter for 49megahertz Members

Yahoo group: 49megahertz
Date: 2004-10-12 19:07:24 UTC
From: 49MHz Experimental Radio Club
Topic: 566 Message: 566

SPAM!

User banned. Sorry, I'm trying to figure out a way to stop these spams
but so far have come up with nothing.

73 de Michael 49H3MA
President, 49MHz ERC

567. Re: [49MHz] Important Letter for 49megahertz Members

Yahoo group: 49megahertz
Date: 2004-10-17 19:10:33 UTC
From: Steven Coles
Topic: 566 Message: 567

Michael,

I've found that quickly deleting spam seems to discourage additional spammers.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, 49MHz Experimental Radio Club <49MHzERC@h...> wrote:
> SPAM!
>
> User banned. Sorry, I'm trying to figure out a way to stop these spams
> but so far have come up with nothing.
>
> 73 de Michael 49H3MA
> President, 49MHz ERC

568. Re: [49MHz] Important Letter for 49megahertz Members

Yahoo group: 49megahertz
Date: 2004-10-17 23:58:44 UTC
From: 49MHz Experimental Radio Club
Topic: 566 Message: 568

On Oct 17, 2004, at 3:10 PM, Steven Coles wrote:

> I've found that quickly deleting spam seems to discourage additional
> spammers.

Good idea. I'll try that.

I wish YahooGroups would just install IP or keyword-based filtering -
that would make things a lot easier.

73 de Michael 49H3MA
President, 49MHz ERC

569. Re: Important Letter for 49megahertz Members

Yahoo group: 49megahertz
Date: 2004-10-18 04:30:39 UTC
From: avalidid
Topic: 566 Message: 569

It'll never happen. Yahoo groups is for the advertising revenue. Yahoo doesn't care about spammers, just the advertising revenue. It is up to the moderators of the group to control spam. If the moderator abandons a group, spammers are free to spam it. Yahoo gives no power to anybody to take over a group or delete a group once the moderators have abandoned it. That with the fact that it's just all to easy for anyone to create a Yahoo group is why there are so many duplicated groups, abandoned groups, and otherwise BS on the Yahoo groups. Anyone serious would at least put up a Usenet newsgroup, or even better a dediacted website CGI.

--- In 49megahertz@yahoogroups.com, 49MHz Experimental Radio Club <49MHzERC@h...> wrote:
> On Oct 17, 2004, at 3:10 PM, Steven Coles wrote:
>
> > I've found that quickly deleting spam seems to discourage additional
> > spammers.
>
> Good idea. I'll try that.
>
> I wish YahooGroups would just install IP or keyword-based filtering -
> that would make things a lot easier.
>
> 73 de Michael 49H3MA
> President, 49MHz ERC

570. Re: [49MHz] Re: Important Letter for 49megahertz Members

Yahoo group: 49megahertz
Date: 2004-10-18 13:49:54 UTC
From: 49MHz Experimental Radio Club
Topic: 566 Message: 570

On Oct 18, 2004, at 12:30 AM, avalidid wrote:
> It'll never happen. Yahoo groups is for the advertising revenue.
> Yahoo doesn't care about spammers, just the advertising revenue. It
> is up to the moderators of the group to control spam. If the
> moderator abandons a group, spammers are free to spam it. Yahoo
> gives no power to anybody to take over a group or delete a group once
> the moderators have abandoned it. That with the fact that it's just
> all to easy for anyone to create a Yahoo group is why there are so
> many duplicated groups, abandoned groups, and otherwise BS on the
> Yahoo groups. Anyone serious would at least put up a Usenet
> newsgroup, or even better a dediacted website CGI.

Good ideas.

Unfortunately USENET is even more overrun with uncontrollable spam than YahooGroups. The only upside is that it's community-controlled, which helps a bit.

A bulletin board script is something I've considered, but there are a couple of downsides to it. First, it takes bandwidth and CGI/MySQL capability. QSL.net, the current (100% free!) hosts of the 49MHz ERC, do not offer CGI/Perl or MySQL, two things generally used for even mediocre online board software.

Secondly, in my opinion, bulletin boards are better for large communities that receive many posts every day - this encourages people to check in and get the messages. We don't receive many posts and have very busy periods and extremely slow periods, which is where email is good. I wouldn't have the time to check into a 49MHz forum that would rarely get posts every day, but the email interface allows me to get the latest 49MHz news in my inbox every day.

I guess for now I'll just delete the spam posts ASAP and ban the authors. I'm also looking at Google Groups 2 Beta - maybe once they offer more features and I have all of the "files" on this group moved to the website I'll consider moving it there.

73 de Michael 49H3MA
President, 49MHz ERC

571. Re: [49MHz] Re: Important Letter for 49megahertz Members

Yahoo group: 49megahertz
Date: 2004-10-18 15:26:49 UTC
From: KD7JYK
Topic: 566 Message: 571

Since the group is small with little traffic, how about approving the messages before they get sent on? I have run into a couple groups with a few thousand members where the moderator has abandoned the group. Spam is sent every three to four minutes for months. The odd thing is the memers list will still show a few thousand members!

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

572. Re: [49MHz] Re: Important Letter for 49megahertz Members

Yahoo group: 49megahertz
Date: 2004-10-18 15:49:47 UTC
From: 49MHz Experimental Radio Club
Topic: 566 Message: 572

On Oct 18, 2004, at 11:26 AM, KD7JYK wrote:
> Since the group is small with little traffic, how about approving the
> messages before they get sent on?

That's a good idea, and I may end up doing that if many more spams come in.

The thing is, if anyone on the list has waited to receive their 49MHz ERC membership certificate, you'll know why I'm hesitant to approve messages due to time concerns. :-)

73 de Michael 49H3MA
President, 49MHz ERC

573. Re: [49MHz] Re: Important Letter for 49megahertz Members

Yahoo group: 49megahertz
Date: 2004-10-18 21:21:42 UTC
From: KD7JYK
Topic: 566 Message: 573

Hey, I forgot about those certificates! What is involved in getting those out?

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory
----- Original Message -----
From: 49MHz Experimental Radio Club

The thing is, if anyone on the list has waited to receive their 49MHz ERC membership certificate, you'll know why I'm hesitant to approve messages due to time concerns. :-)

73 de Michael 49H3MA
President, 49MHz ERC

574. Re: [49MHz] Re: Important Letter for 49megahertz Members

Yahoo group: 49megahertz
Date: 2004-10-18 22:32:46 UTC
From: 49MHz Experimental Radio Club
Topic: 566 Message: 574

I get the email sent through the site, I put their names in a database, and I make a quick PDF file with the identifier and send it out.

There's hardly any time involved, I just have to remember to check the 49MHz address (as I've been doing recently) and get around to doing it when I have free time. My main concern with moderating posts would be that while certificates can wait a few weeks, a new post can't. :-)

73 de Michael 49H3MA
President, 49MHz ERC

575. Re: [49MHz] Important Letter for 49megahertz Members

Yahoo group: 49megahertz
Date: 2004-10-20 11:21:36 UTC
From: John H. Guetherman
Topic: 566 Message: 575

--- In 49megahertz@yahoogroups.com, 49MHz Experimental Radio Club
<49MHzERC@h...> wrote:
> SPAM!
>
> User banned. Sorry, I'm trying to figure out a way to stop these
spams but so far have come up with nothing.
>
> 73 de Michael 49H3MA
> President, 49MHz ERC
>

You can ask all new requests to tell you something about themselves
prior to approving them for membership. If they refuse to tell you
something about themselves, delete the request without approving it.

You can also put all new members on moderation unitll they have
posted at least one or two on-topic posts. That way, the current
members will never see the spam that you delete instead of approving
it to be posted to the group.

John H. Guetherman
KB7MIB/WPXJ598
Peoria, AZ.

576. Re: [49MHz] Important Letter for 49megahertz Members

Yahoo group: 49megahertz
Date: 2004-10-20 17:02:28 UTC
From: August
Topic: 566 Message: 576

Hi John,
This is August Hoecker, W8MIA and these ideas are good ones. One group I belong to did what you suggested + they also used the guideline if you were a ham radio operator (by GOD not that we are all above doing dumb stuff) you were allowed directly in (even though he group was not an amateur radio group as such) and did the other things you have discussed below.

One other antenna group I belonged to on Yahoo had a 10 or 15 questionnaire they wanted the new member to answer with simple questions for a person with a real desire to learn more about antennas that a spammer could not fake nor would he take the time to do so.

Both these methods worked very well BUT they take a lot more of YOUR time to do the screening! So whatever you do to minimize the spammer's and other objectionable poster's will eat up a good deal of your personal time. Just a thought to keep in mind.

Good Luck,
August
==========

John H. Guetherman wrote:

>
> --- In 49megahertz@yahoogroups.com, 49MHz Experimental Radio Club
> <49MHzERC@h...> wrote:
> > SPAM!
> >
> > User banned. Sorry, I'm trying to figure out a way to stop these
> spams but so far have come up with nothing.
> >
> > 73 de Michael 49H3MA
> > President, 49MHz ERC
> >
>
> You can ask all new requests to tell you something about themselves
> prior to approving them for membership. If they refuse to tell you
> something about themselves, delete the request without approving it.
>
> You can also put all new members on moderation unitll they have
> posted at least one or two on-topic posts. That way, the current
> members will never see the spam that you delete instead of approving
> it to be posted to the group.
>
> John H. Guetherman

> KB7MIB/WPXJ598
> Peoria, AZ.
>

577. Callsign District Map?

Yahoo group: 49megahertz
Date: 2004-10-21 03:40:05 UTC
From: 49MHz Experimental Radio Club
Topic: 577 Message: 577

Hi all,

As my free time grows smaller and smaller, I'm trying to make it easier to process membership applications. Luckily the last few members I've had to process have been hams, but since the identifier formula calls for the callsign district for US members, at some point I'll need to go off in search of a map. Does anyone know where a simple callsign district map can be found?

Thanks!

73 de Michael 49H3MA
President, 49MHz ERC

578. 49 ID?

Yahoo group: 49megahertz
Date: 2004-10-21 04:01:50 UTC
From: KD7JYK
Topic: 578 Message: 578

"49H3MA"

What is the formula? I figured out everything but the H.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

579. Re: [49MHz] 49 ID?

Yahoo group: 49megahertz
Date: 2004-10-21 16:49:59 UTC
From: 49MHz Experimental Radio Club
Topic: 578 Message: 579

On Oct 21, 2004, at 12:01 AM, KD7JYK wrote:
> What is the formula? I figured out everything but the H.

49 = 49MHz
H = Ham or [N]on-Ham
3 = Call District or D for DX
MA = Initials

73 de Michael 49H3MA
President, 49MHz ERC

580. 49 ID? My Feelings if you don't mind!

Yahoo group: 49megahertz
Date: 2004-10-21 18:03:38 UTC
From: August
Topic: 578 Message: 580

Even though this is just a club type, made up, non official, document perhaps you might have stuck with the USA official prefix letters: A, K, N & W (I hope I got them all). It would feel better to this old ham mainly in these days when Our Nation and what it stands for is beginning to become a positive thought to us again!

The chances of you accidentally duplicating a real call sign with a proper USA preceding letter is rather small if al all with each W, K, N etc. followed by the number 49 then a letter H or N.

Just my passing thought before the group gets to big to make this simple change a big deal. I feel it is a little bit to close to a "CB like make believe" call sign.

Again I am an old Ham with old ideas but I was in that CB Business for over 30 years on and off starting in 1959 or 60 through the late 90's and I have a great deal of bad taste in my mouth for so many of the sub culture creatures that live there!

Just my personal thoughts! Also getting 27 out of 35 questions correct on a test would allow each non ham member to have a real ham call which will happen to many members in the future. Then we could move UP only 1 MHz or less and be real!

TNX,

August, W8MIA
==========

49MHz Experimental Radio Club wrote:

> On Oct 21, 2004, at 12:01 AM, KD7JYK wrote:
>
> What is the formula? I figured out everything but the H.
>
>
> 49 = 49MHz
> H = Ham or [N]on-Ham
> 3 = Call District or D for DX
> MA = Initials
>
> 73 de Michael 49H3MA
> President, 49MHz ERC

581. Re: [49MHz] 49 ID? My Feelings if you don't mind!

Yahoo group: 49megahertz
Date: 2004-10-21 21:50:50 UTC
From: 49MHz Experimental Radio Club
Topic: 578 Message: 581

> Even though this is just a club type, made up, non official, document
> perhaps you might have stuck with the USA official prefix letters: A,
> K, N & W (I hope I got them all). It would feel better to this old
> ham mainly in these days when Our Nation and what it stands for is
> beginning to become a positive thought to us again!

That would look much better, but the actual reason I *didn't* use them
is because I really wanted to make sure people understood that they
were made up. The last thing I need is the FCC knocking on my door
thinking that I'm trying to pass out fake callsigns. :-) Also, not all
members are in the United States... some are in other countries that
also have a Pt. 15-like band on 49MHz.

> Just my personal thoughts! Also getting 27 out of 35 questions
> correct on a test would allow each non ham member to have a real ham
> call which will happen to many members in the future. Then we could
> move UP only 1 MHz or less and be real!

Yep! I love ham radio (I'm a licensed ham) but still think 49MHz is fun
for the challenge, even more so than 6 meters... :-)

73 de Michael 49H3MA
President, 49MHz ERC

582. Re: 49 ID? My Feelings if you don't mind!

Yahoo group: 49megahertz
Date: 2004-10-22 04:21:35 UTC
From: Steven Coles
Topic: 578 Message: 582

Michael,

I lean toward the highly distinctive club membership numbers as you assigned them. If I put my ham call and 49 MHz membership number on a notebook, anyone in the know understands I'm a ham (USA) and a 49 MHz operator. If I use my 49 MHz membership number on another Part-15 frequency, they know I'm prepared to QSY to 49 MHz.

Best regards,

Steven, KD7YTE, 49H7SC

--- In 49megahertz@yahoogroups.com, 49MHz Experimental Radio Club <49MHzERC@h...> wrote:
>
> That would look much better, but the actual reason I *didn't* use them
> is because I really wanted to make sure people understood that they
> were made up. The last thing I need is the FCC knocking on my door
> thinking that I'm trying to pass out fake callsigns. :-) Also, not all
> members are in the United States... some are in other countries that
> also have a Pt. 15-like band on 49MHz.
> >
> Yep! I love ham radio (I'm a licensed ham) but still think 49MHz is fun
> for the challenge, even more so than 6 meters... :-)
>
> 73 de Michael 49H3MA
> President, 49MHz ERC

583. Non-FCC type calls.

Yahoo group: 49megahertz
Date: 2004-10-22 15:38:04 UTC
From: KD7JYK
Topic: 583 Message: 583

I second non-FCC style calls. I don't know of make believe calls for CB off hand, I am only familiar with FCC issued CB calls such as KBL 6415 and KQX 3910 and I personally use the handle "Iconoclast" when on CB. Part 5 uses W-#X-- formats and my GMRS is WPUY 566. For part 15 other than 49 MHz we use 2 or three letter designtors for example I use RPG for my beacon on 13,555.430 KHz.

A quick test... Which is issued by the FCC, which is an experimental radio call?

KD7JYK

49H7KR

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

584. Re: Non-FCC type calls.

Yahoo group: 49megahertz
Date: 2004-10-24 08:27:21 UTC
From: Adam Ebel
Topic: 583 Message: 584

--- > A quick test... Which is issued by the FCC, which is an
experimental radio call?

Would that be RPG? Cause WPUY566 is an official GMRS call since
most GMRS users require licensing. KQX3910 is a CB callsign issued
by the FCC back in the early 60's to late 70's until they dropped
licensing in the 80's. RPG would be a assigned non directional
beacon call issued by the FCC for the longwave bands.

So I guess 49N4AE is 49= 49 MHz N = Non Ham (have not got my
license yet working on it) 4= Whats that? AE= Adam E. Is
4 supposed to be the state designator digit? Adam E.

49N4AE on 49.860 MHz and Serious SWL.

>
>
> KD7JYK
>
> 49H7KR
>
>
> Kurt
>
> Rosetta Proving Ground, Nevada
> Hell's Laboratory

585. 49 MHz IDs are good for membership numbers.

Yahoo group: 49megahertz
Date: 2004-10-24 09:33:40 UTC
From: Adam Ebel
Topic: 585 Message: 585

Group, Its Ok, to have something that Indentifies your 49 MHz rig. The FCC does not offer any experimental licensing for 49 MHz usage which is not good to indentify a station over a mile away . But to use it for other purposes such as Ham radio, well thats not what it was intended for it it anyways. Most hams have limited licensing based on their class of operation from 160 meters to microwave using the maximum of 1000 watts and 5 watts for 2 meters or more . The FCC designated these 5 channels not just 2 to be used for part 15 purposes.

Most baby monitors and cordless phones don't need licensing cause of their part 15 operation, including we are allowed to use the frequency 49.405 MHz, which is used by many duplex 49 transceivers. And baby monitors are more powerful than the 9 Volt deal walkie talkies. The ID is good for recreational activities so lets be thankful to have something saying that we are serious 49 MHz users, and sometimes kids will find us here and join in to get a experimental ID for their treehouse rig while keeping their novice license for their 10 meter beacons.

If the FCC did use licensing for 49 MHz then we should get more privillages of using more than just 100 mW. We would get a chance of going 500 mW and the advanced users who are Ham licensed can get a privillage of going to 500 mW to 5 watts. But thats not the case it will interfere with cordless phones, and our baby monitors. Thats the reason why they did not have licensing. So for ID's its up to you to use them or not, just keep them handy when you need some kind of serious ID just for 49 MHz part 15 for the other user who cannot indentify you with all this baby boom interference.

Just treat it like a membership card and experimental handle for weak signal work or Morse Code practice on 5 channel deals. :)

Adam Ebel
Virginia Beach VA
49N4AE or GFPSY25, or KBM1H < does anybody have that experimental callsign?)

---

586. Heres some reference for new and old members of 49 MHz

Yahoo group: 49megahertz
Date: 2004-10-24 11:58:41 UTC
From: Adam Ebel
Topic: 586 Message: 586

You see, Micheal is pretty good in organizing the membership cards and stuff. 49 MHz ID's are easy to get, and they are FREE anyways.

Just Look At This Here

49 means = You are operating on 49 MHz as a Hobby and to have some fun and improve skill in radio.

Channel X 49.405 MHz This channel is perferred for Duplex 2 way
Channel A 49.830 MHz Perferred Channel
Channel B 49.845 MHz
Channel C 49.860 MHz Perferred Channel / Good 2 Way
Channel D 49.875 MHz
Channel E 49.890 MHz

N = Means not a ham, but is interested in radio and soon will get the license to go above and beyond. Also means need support in getting started in Ham Radio. And means that he/she is a current 49 MHz user without ham radio license.

H = Means a ham, and has worked hard towards getting the test and taking it. Also is a good teacher for beginners in radio. Also willing to help others in major emergencies such as natural disasters. Also to a ham to help others get their license to communicate with them.

The numbers and letters are based on a ARRL Field Organizational Chart, you can easily find one at your local hamfest or ARRL Handbook. They are cool to have on the wall with your other great US and World Maps, and at your local library.

1 means : ME, NH, RI, CT
2 means : NY, NJ
3 means : PA, DE, MD
4 means : VA, NC, SC, GA, FL, AL, TN, KY,
5 means : NM, TX, OK, AR, LA, MS,
6 means : CA
7 means : WA, OR, NV, UT, AZ, MT, WY
8 means : MI, OH, WV,
9 means : WI, IL, IN,
0 means : ND, SD, NE, KS, CO, MN, IA, MO
Hawaii : KH6
Alaska : KL7
Pacific : KH
Puerito Rico : KP4
Virgin Islands: KP2, KG4

FOR CANADA

YU: VY1 BC: VE7 AB: VE6 SK: VE5 MB : VE4 ONT: VE3 QUE:
VE2 MAR and NB: VE9 NS: VE1/VE0 LAB/NF: VO1/VO2

Now for other countries there should be something available in you books that will tell your the ARRL Organization Letter and Number Codes. For the UK, consult the RSGB book for the Field Organizational Charts.

And for the 2 last letters thats you First Initial and Last Initial of your name. Please don't give your name out on the air except if you know the person.

Mine is 49 for 49 MHz N = Non Ham 4 means I live in Virginia/ Southeastern area A = Adam E = Ebel So if I relocated to another state like California it would now be 49N6AE. If if I moved to Toronto CA, then my 49 MHz ID would be 49NVE3AE

Thats all there is to it. I hope this helps others.
Have Fun.

587. Re: [49MHz] Heres some reference for new and old members of 49 MHz

Yahoo group: 49megahertz
Date: 2004-10-24 15:46:52 UTC
From: 49MHz Experimental Radio Club
Topic: 586 Message: 587

Thanks, that will come in handy for future membership cards. The rest
of the information is good too!

73 de Michael 49H3MA
President, 49MHz ERC

On Oct 24, 2004, at 7:58 AM, Adam Ebel wrote:
> The numbers and letters are based on a ARRL Field Organizational
> Chart, you can easily find one at your local hamfest or ARRL
> Handbook.   They are cool to have on the wall with your other great
> US and World Maps, and at your local library.

588. Re: [49MHz] Heres some reference for new and old members of 49 MHz

Yahoo group: 49megahertz
Date: 2004-10-24 15:49:02 UTC
From: 49MHz Experimental Radio Club
Topic: 586 Message: 588

> N = Means not a ham, but is interested in radio and soon
> will get the license to go above and beyond. Also means
> need support in getting started in Ham Radio. And means
> that he/she is a current 49 MHz user without ham radio license.

Sort of. Not necessarily. I mean, having a N in the call doesn't
necessarily mean that SOMEDAY they'll have their license or that they
need to or anything. Just that they're not a ham right now.

73 de Michael 49H3MA
President, 49MHz ERC

589. Re: [49MHz] Heres some reference for new and old members of 49 MHz

Yahoo group: 49megahertz
Date: 2004-10-24 17:40:36 UTC
From: Adam Ebel
Topic: 586 Message: 589

Thanks for correcting that. Do you like the 49 MHz ID reference that I posted? I also have the ARRL handbook that I used for reference when I posted this message. So if I moved to Missouri my 49 MHz ID would be 49N0AE or 49H0AE? Not doing it yet.

Adam Ebel
49N4AE Virginia Beach

49MHz Experimental Radio Club <49MHzERC@...> wrote:
> N = Means not a ham, but is interested in radio and soon
> will get the license to go above and beyond. Also means
> need support in getting started in Ham Radio. And means
> that he/she is a current 49 MHz user without ham radio license.

Sort of. Not necessarily. I mean, having a N in the call doesn't necessarily mean that SOMEDAY they'll have their license or that they need to or anything. Just that they're not a ham right now.

73 de Michael 49H3MA
President, 49MHz ERC

Do you Yahoo!?
Yahoo! Mail - You care about security. So do we.

590. Re: [49MHz] Heres some reference for new and old members of 49 MHz

Yahoo group: 49megahertz
Date: 2004-10-24 17:50:08 UTC
From: 49MHz Experimental Radio Club
Topic: 586 Message: 590

Yep. Thanks for that reference, it's exactly what I needed. Especially because I forgot to just look in the ARRL Handbook for the callsign references. (Bangs head against desk.) Yep, your 49MHz identifier would change if you moved.

Michael, 49H3MA
List Owner, 49Megahertz YahooGroup
President, 49MHz Experimental Radio Club

591. Re: [49MHz] Heres some reference for new and old members of 49 MHz

Yahoo group: 49megahertz
Date: 2004-10-25 13:03:02 UTC
From: Adam Ebel
Topic: 586 Message: 591

Micheal, I hope that helps. Anyways I am upgrading my rig to
have an audio input tonight so I can play music more clearly. '

The way I am doing this is just a 104 (0.1uF) disk capacitor at the
microphone input, and also adding another jack or some way to
connecting 2 sources to the transmitter. Also I am adding a
continuous and key switch so the microphone can be hands free.

All the power that I am using is a 9 volt adapter set to 7.5 volts
because of the current. I am also going to find a 9 Volt 200 mA
adapter and a add a capacitor hum filter to it. I will let you
know how its working. I monitor the station just using my Pro
2035 and 95. The 9 Volt battery will still be used. Also there is
something that 49 MHz users can use for their 9V rigs its a 9V 20
mA solar panel, I have used this panel for a long time until it
cracked, buying another one soon.

Part No SPL-960 $5.25 each @ http://www.allelectronics.com
9V 20mA Use cable with battery snap.
http://www.allelectronics.com/cgi-bin/category.cgi?
category=565&item=SPL-960&type=store

Just copy and paste to the url to your brower

I will also be adding a 49 MHz electronic parts link that I use
for getting parts for my rig.

Ok, Thats enough for me, is there anything else group that
you have to share? Let us know thanks! :)

Adam Ebel 49N4AE
Virginia Beach VA 23462

--- In 49megahertz@yahoogroups.com, 49MHz Experimental Radio Club
<49MHzERC@h...> wrote:
> Yep. Thanks for that reference, it's exactly what I needed.
Especially
> because I forgot to just look in the ARRL Handbook for the
callsign
> references. (Bangs head against desk.) Yep, your 49MHz identifier
would
> change if you moved.
>
> Michael, 49H3MA
> List Owner, 49Megahertz YahooGroup
> President, 49MHz Experimental Radio Club

593. New to the group

Yahoo group: 49megahertz
Date: 2004-10-30 22:10:43 UTC
From: Corbin
Topic: 382 Message: 593

Hi,

I'm new to the group and would like to ask if any of you have taken
the guts of a FRS and put it in lets say a shell that looks like the
Original Star Trek Communicator. Do you think that it could be done?

Corbin
Draco the Red
Bonsai Grow'er
Captain of the Small boats
Owner/builder Auray Brick
The "Muskrat" designer
Founder / Moderator
Great_Lakes_Boat_Builders Group

594. Baby monitor as 49Mhz starting point

Yahoo group: 49megahertz
Date: 2004-10-31 19:35:12 UTC
From: Corbin
Topic: 594 Message: 594

I fired up an old baby monitor yesturday and programed in the two frequencies on my old BearCat scanner and found that it works but has a large bledover into the other frequencies. A-C. I could here the C freq. on all of the 1st 4 settings. Is this normal.

Corbin

595. Re: [49MHz] Baby monitor as 49Mhz starting point

Yahoo group: 49megahertz
Date: 2004-10-31 21:50:09 UTC
From: KD7JYK
Topic: 595 Message: 595

The problem is most likely a very wide front end on your old Bearcat scanner in conjunction with being very close to the transmitting source. Is this the old Electra model? Some of the older ones would receive +/- 30 KHz from the programmed frequency. This is normal.
Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

596. Re: Baby monitor as 49Mhz starting point

Yahoo group: 49megahertz
Date: 2004-10-31 23:04:41 UTC
From: Steven Coles
Topic: 594 Message: 596

Corbin,

I hear the same thing when listening to some baby monitors at close range on 49 MHz 5-channel transceivers. I don't hear it from all baby monitors, but that probably means some radiate more power than others.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "Corbin" <corbinbates@n...> wrote:
>
> I fired up an old baby monitor yesturday and programed in the two
> frequencies on my old BearCat scanner and found that it works but has
> a large bledover into the other frequencies. A-C. I could here the C
> freq. on all of the 1st 4 settings. Is this normal.
>
> Corbin

597. Re: [49MHz] Baby monitor as 49Mhz starting point

Yahoo group: 49megahertz
Date: 2004-11-01 02:30:57 UTC
From: Corbin
Topic: 595 Message: 597

Kurt,

Yepp, it's an old Electra model Bearcat BC-150.

Corbin

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@e...> wrote:
> The problem is most likely a very wide front end on your old Bearcat scanner in conjunction with being very close to the transmitting source. Is this the old Electra model? Some of the older ones would receive +/- 30 KHz from the programmed frequency. This is normal.
> Kurt
>
> Rosetta Proving Ground, Nevada
> Hell's Laboratory

598. Re: Baby monitor as 49Mhz starting point

Yahoo group: 49megahertz
Date: 2004-11-01 02:40:06 UTC
From: Corbin
Topic: 594 Message: 598

Steven,

How far do you think the Fisher Price baby monitor transmits and what
do you think the final output power is? I was thinking of put both of
the parts of the baby monitor in one case and setting it up so that
the transmiter and receiver are not both on at the same time.

Corbin

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...> wrote:
>
> Corbin,
>
> I hear the same thing when listening to some baby monitors at close
> range on 49 MHz 5-channel transceivers. I don't hear it from all
> baby monitors, but that probably means some radiate more power than
> others.
>
> Best regards,
>
> Steven
>
> --- In 49megahertz@yahoogroups.com, "Corbin" <corbinbates@n...>
> wrote:
> >
> > I fired up an old baby monitor yesturday and programed in the two
> > frequencies on my old BearCat scanner and found that it works but
> has
> > a large bledover into the other frequencies. A-C. I could here the
> C
> > freq. on all of the 1st 4 settings. Is this normal.
> >
> > Corbin

599. Re: Baby monitor as 49Mhz starting point

Yahoo group: 49megahertz
Date: 2004-11-01 03:42:02 UTC
From: Steven Coles
Topic: 594 Message: 599

Corbin,

Baby monitors are designed to give clear reception from one end of large houses to the other. Most should range to 15+ meters (yards) through 4 interior walls. Some baby monitors still break squelch on my Radio Shack TRC-502s beyond ½ block.

If you repackage baby monitors as bridge transceivers and use a 6-meter Moxon antenna on the receivers, I'd expect the ship's bridges could be more than a block apart. Especially with a little creative decorating a Moxon wouldn't look too much like a TV antenna.

Taking advantage of a Moxon's directivity and possibly using horizontal polarization gives you a better chance of avoiding interference from and to residential baby monitors.

You might implement QRSS reception for radio direction finders (scanners). It's free software (downloads) and allows detecting a carrier (but not recovering modulation) at much greater distances. It's also useful for serious search and rescue requiring RDFing very weak signals. Of course, you can send very slow radiotelegraph to receivers feeding soundcards and QRSS software (the intended propose!).

New baby monitor designs are on 900 MHz and 2.4 GHz. This gradually reduces the multiple transmitters on the same frequency problem (QRM) on 49 MHz. If any UHF monitors fall into a Part-15 friendly frequency band, seriously directive receive antennas could be used. Distances between fixed stations might jump considerably.

(Please see Alien Relics' (Steve) response to you on the Homebrew Transistor Radio Group.)

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "Corbin" <corbinbates@n...>
wrote:
>
> Steven,
>
> How far do you think the Fisher Price baby monitor transmits and
what
> do you think the final output power is? I was thinking of put both
of
> the parts of the baby monitor in one case and setting it up so that

> the transmiter and receiver are not both on at the same time.
>
> Corbin
>
> --- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
wrote:
> >
> > Corbin,
> >
> > I hear the same thing when listening to some baby monitors at
close
> > range on 49 MHz 5-channel transceivers. I don't hear it from
all
> > baby monitors, but that probably means some radiate more power
than
> > others.
> >
> > Best regards,
> >
> > Steven
> >
> > --- In 49megahertz@yahoogroups.com, "Corbin" <corbinbates@n...>
> > wrote:
> > >
> > > I fired up an old baby monitor yesturday and programed in the
two
> > > frequencies on my old BearCat scanner and found that it works
but
> > has
> > > a large bledover into the other frequencies. A-C. I could here
the
> > C
> > > freq. on all of the 1st 4 settings. Is this normal.
> > >
> > > Corbin

601. Re: [49MHz] Baby monitor as 49Mhz starting point

Yahoo group: 49megahertz
Date: 2004-11-01 05:12:05 UTC
From: KD7JYK
Topic: 595 Message: 601

OK, the selectivity isn't too good on those, not like more modern scanners. What you experienced is normal for that scanner.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory
----- Original M

602. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2004-11-01 18:56:56 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 602

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

603. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2004-11-06 04:16:57 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 603

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/Star Trek Radio/radio_crkt.gif
Uploaded by : dracothered <corbinbates@...>
Description : star trek comunicator

You can access this file at the URL:
http://groups.yahoo.com/group/49megahertz/files/Schematics/Star%20Trek%20Radio/radio_crkt.gif

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

dracothered <corbinbates@...>

604. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2004-11-06 04:18:32 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 604

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/Star Trek Radio/radio_crkt_notes.gif
Uploaded by : dracothered <corbinbates@...>
Description : crkt notes

You can access this file at the URL:
http://groups.yahoo.com/group/49megahertz/files/Schematics/Star%20Trek%20Radio/radio_crkt_notes.gif

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

dracothered <corbinbates@...>

605. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2004-11-06 04:20:24 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 605

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/Star Trek Radio/radio_crkt_parts.gif
Uploaded by : dracothered <corbinbates@...>
Description :

You can access this file at the URL:
http://groups.yahoo.com/group/49megahertz/files/Schematics/Star%20Trek%20Radio/radio_crkt_
parts.gif

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

dracothered <corbinbates@...>

606. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2004-11-06 04:21:41 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 606

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/Star Trek Radio/radio_crkt_parts2.gif
Uploaded by : dracothered <corbinbates@...>
Description :

You can access this file at the URL:
http://groups.yahoo.com/group/49megahertz/files/Schematics/Star%20Trek%20Radio/radio_crkt_parts2.gif

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

dracothered <corbinbates@...>

607. Is anyone out there

Yahoo group: 49megahertz
Date: 2004-11-08 18:27:42 UTC
From: Corbin
Topic: 607 Message: 607

The list is getting real quite and I was woundering if they all got scared away by my four uploaded files

Corbin

608. Re: [49MHz] Is anyone out there

Yahoo group: 49megahertz
Date: 2004-11-08 19:43:53 UTC
From: 49MHz Experimental Radio Club
Topic: 607 Message: 608

This list is always quiet. :-) It gets really busy occasionally then
totally stops, then starts up again. :-)

73 de Michael 49H3MA
President, 49MHz ERC

On Nov 8, 2004, at 1:27 PM, Corbin wrote:
>
> The list is getting real quite and I was woundering if they all got
> scared away by my four uploaded files
>
> Corbin

609. Re: [49MHz] Is anyone out there

Yahoo group: 49megahertz
Date: 2004-11-09 00:20:41 UTC
From: KD7JYK
Topic: 607 Message: 609

Still here...

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

610. Re: Is anyone out there

Yahoo group: 49megahertz
Date: 2004-11-09 02:21:49 UTC
From: Steven Coles
Topic: 607 Message: 610

Corbin,

Lots of people are still hanging out on political, economic, and social issues forums trying to crystal ball what the election will mean for them. Most technical groups are still trying to pull themselves back together.

49 MHz has its winter charms: Christmas gift ideas, rainy evening projects, in-home wireless intercoms, etc. If you lived here, it would be time to start techno-gadget projects for the NorWestCom science fiction and fantasy convention near Seattle (in March if I remember correctly).

About 2 months from now would be a good time to start a Moxon receiving antenna. It can be tested and tweaked up indoors. Then it goes into attic or closet operation until spring weather allows safe exterior mounting□kind of comes out with the flowers :-)

Put some questions to this board and it will wake up a bit.

Best regards,

Steven 49H7SC

--- In 49megahertz@yahoogroups.com, "Corbin" <corbinbates@n...>
wrote:
>
> The list is getting real quite and I was woundering if they all got
> scared away by my four uploaded files
>
> Corbin

611. Direct Conversion 49 MHz Receiver, QRSS, SSB

Yahoo group: 49megahertz
Date: 2004-11-09 05:21:26 UTC
From: Steven Coles
Topic: 611 Message: 611

All,

This evening I tested an inexpensive, simple direct conversion receiver. The mixer is a CA3054 dual RF differential amplifier wired as a Gilbert cell. (An SA602 or SA612 would have required less assembly. But I had some CA3054s on hand.) The Gilbert cell output drives an audio amplifier.

A child's 49.860 MHz walkie talkie serves as the local oscillator. To use the walkie talkie I disconnected the antenna and fed the transmitter output through coax to the mixer's local oscillator input. Then I clamped the walkie talkie into transmit mode.

The oscillator coil moved the walkie talkie frequency a bit. But I had to settle for a 2150 kHz offset from my handheld transceiver's frequency. I will test my crystals from toys to find a closer one. Then I will add a screw adjust capacitor for fine frequency trimming.

The image is saturated. Obviously two rooms away was too close for a good check. I will have to recruit a buddy for further testing.

Direct conversion receivers work well for radiotelegraph (CW), very slow CW (QRSS), double sideband suppressed carrier (DSB), and single sideband suppressed carrier (SSB). With a bit more fussing DC receivers work for AM and FM. So far I've only tried AM, CW, and QRSS myself.

Right now my Gilbert cell is wired on perforated board with no ground plane. Unclad board works fine to about 7 MHz, but frequencies above 7 MHz really need a ground plane (as do most high impedance circuits below 7 MHz). An RF preamplifier wouldn't hurt either.

Improving the receiver, assembling a 49 MHz receiving antenna, a beacon, and a DSB transmitter could make for a very busy winter. Now where are some round tuits?

Best regards,

Steven

612. Re: Direct Conversion 49 MHz Receiver, QRSS, SSB

Yahoo group: 49megahertz
Date: 2004-11-09 19:30:07 UTC
From: Corbin
Topic: 611 Message: 612

Steven

Do you have any prints/drawings on what you did I would be interested in seeing them if you do. I've been reverse engineering a baby monitor transmiter to see how it ticks. I also uploaded four files that I got from a book on a little 49Mhz tranceiver that I thought was interesting also.

Corbin

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...> wrote:
>
> All,
>
> This evening I tested an inexpensive, simple direct conversion
> receiver. The mixer is a CA3054 dual RF differential amplifier
> wired as a Gilbert cell. (An SA602 or SA612 would have required
> less assembly. But I had some CA3054s on hand.) The Gilbert cell
> output drives an audio amplifier.
>
> A child's 49.860 MHz walkie talkie serves as the local oscillator.
> To use the walkie talkie I disconnected the antenna and fed the
> transmitter output through coax to the mixer's local oscillator
> input. Then I clamped the walkie talkie into transmit mode.
>
> The oscillator coil moved the walkie talkie frequency a bit. But I
> had to settle for a 2150 kHz offset from my handheld transceiver's
> frequency. I will test my crystals from toys to find a closer one.
> Then I will add a screw adjust capacitor for fine frequency trimming.
>
> The image is saturated. Obviously two rooms away was too close for
> a good check. I will have to recruit a buddy for further testing.
>
> Direct conversion receivers work well for radiotelegraph (CW), very
> slow CW (QRSS), double sideband suppressed carrier (DSB), and single
> sideband suppressed carrier (SSB). With a bit more fussing DC
> receivers work for AM and FM. So far I've only tried AM, CW, and
> QRSS myself.
>
> Right now my Gilbert cell is wired on perforated board with no
> ground plane. Unclad board works fine to about 7 MHz, but
> frequencies above 7 MHz really need a ground plane (as do most high
> impedance circuits below 7 MHz). An RF preamplifier wouldn't hurt
> either.
>
> Improving the receiver, assembling a 49 MHz receiving antenna, a

> beacon, and a DSB transmitter could make for a very busy winter.
> Now where are some round tuits?
>
> Best regards,
>
> Steven

613. Re: Direct Conversion 49 MHz Receiver, QRSS, SSB

Yahoo group: 49megahertz
Date: 2004-11-10 03:44:15 UTC
From: Steven Coles
Topic: 611 Message: 613

Corbin,

What I've drawn so far is in the Homebrew Transistor Radios photo album. Open the default album. Then click on the 1-Evening image. The 1 and 1.5 nF capacitors should be closer to 5 to 22 pF when using the circuit at 49 MHz. The transmitter lead formerly going to the walkie talkie's antenna now goes through a coax center conductor to the 1-Evening Direct Conversion Receiver's oscillator input on the left side of the drawing. The coax's shield goes to ground (usually battery negative) at the walkie talkie end and the direct conversion receiver's ground. The system is more stable when the mixer and the walk talkie are powered by separate batteries. I confess I have done nothing toward impedance matching and tuning the antenna input yet. I simply left out the tuned circuit and connected a 100-cm (40-inch) whip antenna directly to the IC's pin 3. If you use an SA602 or SA612 IC you don't need the external resistors and jumpers. The output "to audio amplifier" means just about any mains isolated audio amplifier.

If you have not already done so, please read Alien Relics' message 1454 to you at the Homebrew Transistor Radios Yahoo Group.

http://groups.yahoo.com/group/homebrewtransistorradios/

http://photos.groups.yahoo.com/group/homebrewtransistorradios/lst

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "Corbin" <corbinbates@n...>
wrote:
>
> Steven
>
> Do you have any prints/drawings on what you did I would be
interested
> in seeing them if you do. I've been reverse engineering a baby
monitor
> transmiter to see how it ticks. I also uploaded four files that I
got
> from a book on a little 49Mhz tranceiver that I thought was
> interesting also.
>
> Corbin
>

614. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2004-11-13 07:48:14 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 614

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/Star Trek Radio/walkie talkie.jpg
Uploaded by : dracothered <corbinbates@...>
Description : 49Mhz Walkie Talkie

You can access this file at the URL:
http://groups.yahoo.com/group/49megahertz/files/Schematics/Star%20Trek%20Radio/walkie%20talkie.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

dracothered <corbinbates@...>

615. I uploaded a 49Mhz walkie talkie circuit

Yahoo group: 49megahertz
Date: 2004-11-13 07:56:21 UTC
From: Corbin
Topic: 615 Message: 615

Take a look at the drawing and please tell me what you think of it and what values the missing part descriptions should be.

Corbin

616. Corbin□s ACTS 49 MHz Transmit Oscillator Built

Yahoo group: 49megahertz
Date: 2004-11-19 03:58:04 UTC
From: Steven Coles
Topic: 616 Message: 616

All,

Corbin and I have been discussing scratch assembling a 3-transistor walkie-talkie. Here are my results so far.

I built a copy of the oscillator section of the Corbin's most recent ACTS schematic. I used Manhattan style assembly. (Chips cut with a nibbling tool serve as the Manhattan pads. A propane torch provided enough heat for the ground-plane connections.) I have not yet included the receiving components□just the transmitting components. When using a 2N3904 transistor R12 needs a 50 K trimmer in series with it for initial adjustment. Probably replacing R12 with a 33K resistor would work with most 2N3904s.

The biggest headache was getting T2 working. The best result was a Radio Shack assortment coil having a red form fitting a 10mm X 10mm shield and a black threaded slug. I cut the bare tinned wire leaving ends as connecting pins. Using AWG 30 gauge magnet wire from a Radio Shack 278-1345 package I rewound the coil. The winding is 4.5 turns center-tapped and close wound. In this case close wound means all the turns go through the same hole in the form uprights. I make no claim to this being optimum. It works in my oscillator. Various tap locations should be tried. Receive mode will likely be more critical.

Not being sure of final component values, I left some leads long. The long leads make the oscillator board highly microphonic. A tool dropped onto the test bench makes a very definite sound in the receiver.

At short range the AGC in superheterodyne receivers and the inherent AGC action in economy walkie-talkie super-regenerative detectors prevent optimizing the transmitter by ear. Tuning L1, T2, and R15 for optimum range requires either a receiver with an S meter or a buddy listening near the range limit. Guess we'd communicate via FRS to minimize interaction with the test units.

This transmitter's modulation is highly understandable. For tests the 1000 ohm winding of an RS 273-1380 in series with the battery's + lead provides modulation. A portable CD player's earphone output drives the 8-ohm winding. The CD player volume is set at ~90% of maximum.

I feared this circuit would be a serious pain in the neck. But the required fiddling is reasonable for a VHF circuit. With a bit more documentation it could be a good beginners' learning circuit.

Best regards,

Steven

617. Modulated Oscillators: AM & FM?

Yahoo group: 49megahertz
Date: 2004-11-19 19:00:15 UTC
From: Steven Coles
Topic: 617 Message: 617

All,

In the 1960s conventional wisdom claimed modulated oscillators produced AM plus enough FM to be picked up on narrow-band FM receivers. I found this to not be the case with modulated oscillators in the economy walkie-talkies I have. The economy only AM receivers demodulate economy (children's') walkie-talkies. Only NBFM receivers demodulate my TRC-502s and TRC-509 transceivers.

Admittedly I'm not likely to find a serious 49 MHz operator using a 3 or 4 transistor modulated oscillator (unless they've adapted it for QRSS operation). But multimode monitoring increases chances of a contact. Am I correct that a scanner can be programmed to search for AM, NBFM, SSB, and CW simultaneously? Are scanners of much worth on 49 MHz?

I'm tempted to use a dual-conversion NBFM receiver with a 455 kHz IF. Tapping off a little 455 and feeding it to a Am receiver's IF would allow simultaneous AM & FM demodulation. Then adding a beat-frequency oscillator to detect SSB, CW, and QRSS. Then. . .

Uh. What do you recommend for general monitoring on 49 MHz?

Best regards,

Steven

618. Public Radio Piece on Baby Monitor Spying

Yahoo group: 49megahertz
Date: 2004-11-20 06:44:18 UTC
From: Steven Coles
Topic: 618 Message: 618

All,

The evening of 11/19/2004 KUOW, the local public radio station, carried an hour program about amateur spying. (I didn't catch whether KUOW picked up the show from NPR, PRI, or another public network.) In one portion of the show a woman described using baby monitors to spy on neighbors.

The woman related how her baby monitor could pick up "cell" phone conversations. She went on to describe listening in on a neighbor's illegal activities.

I don't know whether she really had a UHF baby monitor that picked up cell conversations or she had a 49 MHz baby monitor picking up cordless conversations. In most cases she could see the man in question using a phone while sitting in a car in front of his mother's house. I believe she also mentioned hearing police calls. I don't believe the show said anything about spying on baby monitor users.

Other portions of the show described receiving a wireless security camera on an ordinary TV receiver and placing wireless or networked TV camera's where people would not want to be observed.

I missed the program's beginning and was in and out of my shop (my FM radio's location) several times for cleaning materials. So if I got the wrong impression of any of this, I'd like correction.

Best regards,

Steven

619. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2004-11-20 17:38:52 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 619

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/Star Trek Radio/walkie talkie1a.jpg
Uploaded by : dracothered <corbinbates@...>
Description : 49Mhz Walkie Talkie updated

You can access this file at the URL:
http://groups.yahoo.com/group/49megahertz/files/Schematics/Star%20Trek%20Radio/walkie%20talkie1a.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

dracothered <corbinbates@...>

620. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2004-11-20 17:40:04 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 620

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /Schematics/Star Trek Radio/walkie talkie Modified oscillator section.jpg
Uploaded by : dracothered <corbinbates@...>
Description : 49Mhz walkie talkie, Modified oscillator section

You can access this file at the URL:
http://groups.yahoo.com/group/49megahertz/files/Schematics/Star%20Trek%20Radio/walkie%20talkie%20Modified%20oscillator%20section.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

dracothered <corbinbates@...>

621. 27mhz walkie talkies

Yahoo group: 49megahertz
Date: 2004-11-24 04:48:43 UTC
From: avalidid
Topic: 621 Message: 621

I got off Ebay a pair of 27mhz walkie tlalkies, "Tech-Link 4000 long range walkie talkies". They are faily big for a toy, and good quality units. I think they are about 200mw Rf out, duel conversion superhet receiver. I had to get them because I knew they were going to be a good find, not your typical cheap junk.

623. Re: [49MHz] less bills

Yahoo group: 49megahertz
Date: 2004-11-30 16:21:32 UTC
From: 49MHz Experimental Radio Club
Topic: 623 Message: 623

SPAM!

User banned.

On Nov 30, 2004, at 2:18 AM, bzbqjpzwx wrote:

>
> hey,
>
> Just wanted to share some info and see if I could help anyone else
> lower their mortgage payments, I saved nearly $200 off my monthly
> payment!
>
> Takes two minutes take a look.
>
> http://agocras.net/azwh1
>
>
>
>
>
>
>
>
>
> I posted this on 49megahertz, if you dont want to be a member anymore
> just email 49megahertz-unsubscribe@yahoogroups.com
>
>
>
>
>
>
>
> Yahoo! Groups Sponsor
>
> <image.tiff>
>
> Get unlimited calls to
>
> U.S./Canada
> <image.tiff>
>
> <image.tiff>
>
> Yahoo! Groups Links
>
> • To visit your group on the web, go to:

> http://groups.yahoo.com/group/49megahertz/
>
> • To unsubscribe from this group, send an email to:
> 49megahertz-unsubscribe@yahoogroups.com
>
> • Your use of Yahoo! Groups is subject to the Yahoo! Terms of
> Service.
>
>

624. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2004-12-01 17:38:52 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 624

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

625. Educational Gifts

Yahoo group: 49megahertz
Date: 2004-12-09 05:07:03 UTC
From: Steven Coles
Topic: 625 Message: 625

All,

What was your favorite educational gift you received for Christmas or another special occasion? If you were selecting an educational gift to give now, what would you select?

Happy Holidays,

Steven

626. Re: Educational Gifts

Yahoo group: 49megahertz
Date: 2004-12-10 04:42:44 UTC
From: Steve
Topic: 625 Message: 626

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...> wrote:
>
> All,
>
> What was your favorite educational gift you received for Christmas
> or another special occasion? If you were selecting an educational
> gift to give now, what would you select?

I begged, pleaded, and cajoled my parents into buying me a crystal radio kit for my birthday one year. I think I was 9? And for Christmas one year I got a chemistry set. I think I was 6 or 7. Did you know if you melt wax in a test tube, then drop some sulfur in, it makes a horrible stench? And if you get it hot enough to smoke, the stench will hang around for months?

I do... so do my parents.

Steve Greenfield

627. Re: [49MHz] Re: Educational Gifts

Yahoo group: 49megahertz
Date: 2004-12-10 04:47:34 UTC
From: KD7JYK
Topic: 627 Message: 627

I'm going to have to try that...

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory
----- Original Message -----
From: Steve

Did you know if you melt wax in a test tube, then drop some sulfur in, it makes a horrible stench? And if you get it hot enough to smoke, the stench will hang around for months?

628. Re: [49MHz] Re: Educational Gifts

Yahoo group: 49megahertz
Date: 2004-12-10 16:39:39 UTC
From: 49MHz Experimental Radio Club
Topic: 627 Message: 628

A 49MHz ERC identifier and a modified, upgraded Part 15-compliant 49MHz three-channel FM radio? Now that's educational. :-)

Actually, I just thought of a good educational gift... but I can't remember what it's called... but you can probably find it at Radio Shack or Borders... One of those things for kids that come with a piece of cardboard with small holes to punch out.

You'd put little springs in the holes and certain components, add a 9-volt battery, and use the included wires and instruction book to put together different simple circuits. It goes from a basic blink-the-LED sort of thing to fancier things like simple motion detectors. Then the idea is by the time you've finished all the circuits in the book, you'll know enough about electronics to make up your own.

73 de Michael 49H3MA
President, 49MHz ERC

629. [49MHz] Re: Educational Gifts

Yahoo group: 49megahertz
Date: 2005-01-01 17:35:05 UTC
From: Steven Coles
Topic: 627 Message: 629

All,

Thank you for telling about your favorite gilts.

Where's the first of month file?

Happy New Year,

Steven, KD7YTE, 49H7SC

--- In 49megahertz@yahoogroups.com, 49MHz Experimental Radio Club
<49MHzERC@h...> wrote:
> A 49MHz ERC identifier and a modified, upgraded Part 15-compliant
49MHz
> three-channel FM radio? Now that's educational. :-)
>
> Actually, I just thought of a good educational gift... but I can't
> remember what it's called... but you can probably find it at Radio
> Shack or Borders... One of those things for kids that come with a
piece
> of cardboard with small holes to punch out.
>
> You'd put little springs in the holes and certain components, add
a
> 9-volt battery, and use the included wires and instruction book to
put
> together different simple circuits. It goes from a basic blink-the-
LED
> sort of thing to fancier things like simple motion detectors. Then
the
> idea is by the time you've finished all the circuits in the book,
> you'll know enough about electronics to make up your own.
>
> 73 de Michael 49H3MA
> President, 49MHz ERC

630. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-01-01 20:14:19 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 630

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

631. TRC-509 output power measurement

Yahoo group: 49megahertz
Date: 2005-01-03 16:02:46 UTC
From: Jerome
Topic: 631 Message: 631

I removed the antenna and loading coil (L3) from a TRC-509 and replaced them with a short piece of coax (LMR-100) and a bulkhead SMA connector. This was done in preparation for converting the radio to 6 meters. But before I change the crystals and re-align the unit I wanted to take a baseline power measurement. The output power was measured with both an HP8594E spectrum analyzer and an Oak Hills Research WM-1 wattmeter. The HP showed +12.33 dBm (17 mW). I was pleased to see that the WM-1 showed a similar value (approximately 20 mW).

I also did a sweep from 40 Mhz to 500 Mhz to see what kind of spurs and harmonics were generated. Within that range the next highest peak was the 7th harmonic which was at -18 dBm or just slightly over 30 dB down from the fundamental.

-Jerome

635. 49Mhz SSB, AM, PSK31?

Yahoo group: 49megahertz
Date: 2005-01-29 19:16:19 UTC
From: John Cook
Topic: 635 Message: 635

Hi folks,
I have two military rigs that operate on 49Mhz.A pair of special forces manpacks M50B/Prc-132 that will need to be attenuated to get output down from 5 watts to 100 mw but it would fun to play with SSB AM and digital modes. I also just got a pair of Datron PRC-1070 handheld VHF low band squad radios that can be turned down to 100 mw and can be front panel programmed for 49Mhz FM.They have one meter tape whip antennas and seem perfect for 49Mhz experiments. Are there any rules against SSB,AM or digital modes on 49 Mhz?
I've worked thousands of miles DX SSB with 5 watts and a 54" whip on 6M when the band was open. If its ok to use 49Mhz in SSB mode, DX would seem possible.

cheers,
John
k6ero

636. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-02-01 21:49:19 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 636

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

637. Re: [49MHz] File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-02-02 01:21:28 UTC
From: Peter Abraham - KB7INO
Topic: 602 Message: 637

Hello Everybody,

It's been pretty quiet so I figured I's ask a
question:
When you guys scan around, do you hear any activity
outside of baby monitors?

Also to reitterate John k6ero's question, can we use
SSB or data on 49 MHz?

-Peter

_____
Do you Yahoo!?
Yahoo! Mail - now with 250MB free storage. Learn more.
http://info.mail.yahoo.com/mail_250

638. Re: 49Mhz SSB, AM, PSK31?

Yahoo group: 49megahertz
Date: 2005-02-02 04:14:10 UTC
From: Steven Coles
Topic: 635 Message: 638

John,

Some of the 49 MHz Signamail mailbox monitors sold by Alltronics use
2-tone signaling. Most of the toy 49 MHz walkie-talkies use AM.

I have not downloaded a copy of the current regulations for a few
months. Somebody will check in with solid information.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "John Cook" <otterc@e...> wrote:
>
> Hi folks,
> I have two military rigs that operate on 49Mhz.A pair of special
> forces manpacks M50B/Prc-132 that will need to be attenuated to
get
> output down from 5 watts to 100 mw but it would fun to play with
SSB
> AM and digital modes. I also just got a pair of Datron PRC-1070
> handheld VHF low band squad radios that can be turned down to 100
mw
> and can be front panel programmed for 49Mhz FM.They have one meter
> tape whip antennas and seem perfect for 49Mhz experiments. Are
there
> any rules against SSB,AM or digital modes on 49 Mhz?
> I've worked thousands of miles DX SSB with 5 watts and a 54" whip
> on 6M when the band was open. If its ok to use 49Mhz in SSB mode,
DX
> would seem possible.
>
> cheers,
> John
> k6ero

639. Re: Hearing Activity?--[49MHz] File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-02-02 04:22:12 UTC
From: Steven Coles
Topic: 602 Message: 639

Peter,

Does hearing my own short-range beacons count?

Early teens around here have taken up carrying FRS transceivers. It gives them a party line and frees up a little phone time for the parents. Also, if a girl is being followed, a call tone and word to friends gets a parent (or crowd of parents) on the scene quicker than a police dispatcher can set priorities. This might be something worth encouraging.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, Peter Abraham - KB7INO <kb7ino_egroups@y...> wrote:
> Hello Everybody,
>
> It's been pretty quiet so I figured I's ask a
> question:
> When you guys scan around, do you hear any activity
> outside of baby monitors?
>
> Also to reitterate John k6ero's question, can we use
> SSB or data on 49 MHz?
>
> -Peter
>
>
>
>
> _____
> Do you Yahoo!?
> Yahoo! Mail - now with 250MB free storage. Learn more.
> http://info.mail.yahoo.com/mail_250

640. Maxon PC-50 Handhelds (pair) on eBay for Sale

Yahoo group: 49megahertz
Date: 2005-02-15 03:02:31 UTC
From: Bangers with Nikons
Topic: 640 Message: 640

eBay listing for a pair of Maxon PC-50 handhelds.

<http://cgi.ebay.com/ws/eBayISAPI.dll?
ViewItem&item=5751398190&ssPageName=ADME:B:SS:US:1>

One new in the box was offered last week for just $5 bucks but there
were no bids.

641. Professional Looking Base Radio Transceivers

Yahoo group: 49megahertz
Date: 2005-02-16 16:31:30 UTC
From: Adam E.
Topic: 641 Message: 641

I was wondering if there are any professional looking base transcivers with 5 channels of the 49 MHz frequencies. If anybody know please let me know. Also do you think 49 MHz communications will be using digital mode, which means more channels, better clarity?

Adam E.

642. Re: [49MHz] Professional Looking Base Radio Transceivers

Yahoo group: 49megahertz
Date: 2005-02-16 17:53:24 UTC
From: KD7JYK
Topic: 642 Message: 642

Sure, any Amatuer Radio that covers 6m. Prices range from a few dollars to about $6,000. They would need to be modified to operate on 49 MHz, and the power turned down on the radio, then through some attenuators to get it down to part 15 levels. As for the legality of multimode operation for part 15 devices, I haven't researched it since 1994, but I seem to recall that any mode may be used provided it falls within the bandwidth and power limitations.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

643. Whoops...

Yahoo group: 49megahertz
Date: 2005-02-16 18:00:07 UTC
From: KD7JYK
Topic: 643 Message: 643

"Also do you think 49 MHz communications will be using digital mode, which means more channels, better clarity?"

Since 49 MHz uses FM 99.9% of the time, digital mode doesn't really matter. Anything that fits within the carrier envelope will work equally well (or poorly). Using a narrow digital mode such as PSK 31 won't have any advantages unless the transmitter operates in a sideband mode.

Kurt

644. New member in Irvine CA

Yahoo group: 49megahertz
Date: 2005-02-24 04:01:45 UTC
From: dalecabell
Topic: 644 Message: 644

Everyone:

Hi. I am a new mwmber in Irvine, CA. I have been around 49Mhz for years since the GE, Lafayette days. I wish I had keep the radios. I am curious, if anyone has any, still? I still have my Maxon base station and HT's. I also have some RC cars and toy walkie-talkies. DX for me is about 5 miles and once when 6 meters was wide open I could here all kinds of heterodynes from I guess all over the place. I am also a Ham Radio Operator have been since 1977. I lost my e-mail in a system crash I am just now getting it back together so, I don't remember my 49MHZ ID. If you could re-send it that would be great. More to come...

73's
Dale Cabell
N6AQQ
49????

645. I'm new to this group

Yahoo group: 49megahertz
Date: 2005-02-25 14:27:34 UTC
From: sybil762z
Topic: 645 Message: 645

http://www.ardice.com/Recreation/Radio/Amateur/VHF/
Hello, I found this group at this website.

646. Re: New member in Irvine CA

Yahoo group: 49megahertz
Date: 2005-02-26 02:50:47 UTC
From: Steven Coles
Topic: 644 Message: 646

Dale,

Look's like our moderator's incommunicado.

I recall a formula for 49MHz membership IDs. I think yours should
be:

49H6DC

49 This group
H Ham
6 California
DC Your initials.

Best regards,

Steven, KD7YTE
49H7SC (or something like that)

--- In 49megahertz@yahoogroups.com, "dalecabell" <dalecabell@c...>
wrote:
>
> Everyone:
>
> Hi. I am a new mwmber in Irvine, CA. I have been around 49Mhz for
> years since the GE, Lafayette days. I wish I had keep the radios.
I
> am curious, if anyone has any, still? I still have my Maxon base
> station and HT's. I also have some RC cars and toy walkie-talkies.
> DX for me is about 5 miles and once when 6 meters was wide open I
> could here all kinds of heterodynes from I guess all over the
place.
> I am also a Ham Radio Operator have been since 1977. I lost my e-
> mail in a system crash I am just now getting it back together so,
I
> don't remember my 49MHZ ID. If you could re-send it that would be
> great. More to come...
>
> 73's
> Dale Cabell
> N6AQQ
> 49????

647. Re: I'm new to this group

Yahoo group: 49megahertz
Date: 2005-02-26 03:09:15 UTC
From: Steven Coles
Topic: 645 Message: 647

Sybil762z,

Welcome.

This group has moderately busy spells and relaxed spells. I hope you'll post questions and comments about 49 MHz topics of interest to you.

Hopefully we'll hear from our moderator shortly.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "sybil762z" <sybil762z@y...> wrote:
>
> http://www.ardice.com/Recreation/Radio/Amateur/VHF/
> Hello, I found this group at this website.

648. Easy & Inexpensive Range Increase?

Yahoo group: 49megahertz
Date: 2005-02-26 03:31:58 UTC
From: Steven Coles
Topic: 648 Message: 648

All,

Using these tricks with our transmitters would probably push then above legal field strength. But we can try them with our receivers (at least if you have a collection or units):

In the 1960s a radio club I belonged to built a number of 3-dual-triode, 50-MHz ham handy talkies. They were the size and shape of rectangular lunch boxes. Normally they could communicate over a few miles with similar units.

Range extender 1: If we could barely hear the other operator, setting the handy talkies on aluminum pipe fence posts brought the signal strength well above the noise.

Range extender 2: A lesser, and somewhat unreliable, range improvement could be obtained by using the handy talkies a quarter wavelength in front of an aluminum garage door or similar reflector. Of course, we seldom found a reflector facing the correct direction when we wanted one.

Range extender 3 (not so easy & inexpensive): Serious 50 MHz hams convert the incoming 6-meter signals for reception by an HF ham-band receiver. Such receivers have bandpass switching and most other features we could want for weak-signal reception.

What methods have you found to increase a receiver's ability to pull signals out of the noise?

Best regards,

Steven

649. Re: [49MHz] Easy & Inexpensive Range Increase?

Yahoo group: 49megahertz
Date: 2005-02-26 18:56:48 UTC
From: Peter Abraham - KB7INO
Topic: 648 Message: 649

Hi!

Just my input:

> Range extender 1: If we could barely hear the other
> operator,
> setting the handy talkies on aluminum pipe fence
> posts brought the
> signal strength well above the noise.
Or cut a quarterwave piece of wire and attach it to the ground of the radio (for 49 MHZ it would be ~4.68 feet). You could attack it to the ground of the battery, usually it is the same as RF ground on radios.
For you hams out there, try this on your 2 mtr ht, and you'll notice a HUGE improvement in fringe areas.

> What methods have you found to increase a receiver's
> ability to pull signals out of the noise?
Range extender #4, get a scanner with an external preamp and use a full size antenna (dipole, j-pole, beam, etc. etc.) and this will make a world of difference.
On of my buddies used his CB antenna (a non resonsant antenna) with a pre amp, and all of a sudden all these signal on 49 MHz poped out!

-Peter
KB7INO

_____
Do you Yahoo!?
Yahoo! Sports - Sign up for Fantasy Baseball.
http://baseball.fantasysports.yahoo.com/

650. Re: Easy & Inexpensive Range Increase?

Yahoo group: 49megahertz
Date: 2005-02-26 22:39:08 UTC
From: avalidid
Topic: 648 Message: 650

quoting:
> All,
>
> Using these tricks with our transmitters would probably push then
> above legal field strength. But we can try them with our receivers
> (at least if you have a collection or units):
>
> In the 1960s a radio club I belonged to built a number of 3-dual-
> triode, 50-MHz ham handy talkies. They were the size and shape of
> rectangular lunch boxes. Normally they could communicate over a
few
> miles with similar units.
>
> Range extender 1: If we could barely hear the other operator,
> setting the handy talkies on aluminum pipe fence posts brought the
> signal strength well above the noise.
>
> Range extender 2: A lesser, and somewhat unreliable, range
> improvement could be obtained by using the handy talkies a quarter
> wavelength in front of an aluminum garage door or similar
> reflector. Of course, we seldom found a reflector facing the
> correct direction when we wanted one.
>
> Range extender 3 (not so easy & inexpensive): Serious 50 MHz hams
> convert the incoming 6-meter signals for reception by an HF ham-
band
> receiver. Such receivers have bandpass switching and most other
> features we could want for weak-signal reception.
>
> What methods have you found to increase a receiver's ability to
pull
> signals out of the noise?
>
> Best regards,
>
> Steven

I've attached long wires to my TRC-512's rather short antenna.
Usually I can put 27mhz walkie talkies near something metal or
grounded metal. With baby monitors, and portable CB's, just using an
ac adapter helps alot.

651. 6-Meter Converter

Yahoo group: 49megahertz
Date: 2005-02-27 18:14:37 UTC
From: Steven Coles
Topic: 651 Message: 651

All,

I completed my Manhattan version of the January 1997 QST Junk-Box 6-Meter Receive Converter. The printed circuit, NE602, and construction article can be ordered from Far Circuits. See links below.

With my 6-meter roll-up ground plane antenna and without a preamplifier the converter gets noise peeks on each of the 49-MHz channels. My RS TRC-502 hears noise on only two 49-MHz channels.

The 49-MHz on-channel noise floor here arises from baby monitors, mail-box monitors, etc. Placing QRSS operation half way between channels would make a 7.5 kHz beat in wide-band baby-monitor receivers, etc. Any suggestions?

For 6-meter amateur radio the sensitivity appears good for local rag chews. The two meter version pulls in a number of repeaters with a 5-element yagi and no preamplifier.

http://www.farcircuits.net/convert2.htm#2convert

http://www.farcircuits.net/convert1.htm

http://www.farcircuits.net/ic.htm

Best regards,

Steven

652. Re: [49MHz] Re: New member in Irvine CA

Yahoo group: 49megahertz
Date: 2005-02-27 00:45:22 UTC
From: 49MHz Experimental Radio Club
Topic: 644 Message: 652

On Feb 25, 2005, at 9:50 PM, Steven Coles wrote:

> Look's like our moderator's incommunicado.

Just sent it out. Did you get it OK?

> I recall a formula for 49MHz membership IDs. I think yours should
> be: 49H6DC

That's it!

73 de Michael 49H3MA
President, 49MHz ERC

653. [49MHz] Re: New member in Irvine CA

Yahoo group: 49megahertz
Date: 2005-02-28 05:49:22 UTC
From: Steven Coles
Topic: 644 Message: 653

Michael,

Good to hear from you. It looks like your group's getting into an active spell.

Just received an email from a cross-county ham suggesting I try my indoor wire for receiving horizontally polarized 6-meter stations. Sure enough. For horizontally polarized 50.4 MHz ham AM the wire out performs the roll-up ground plane antenna.

What is your understanding of operating within the 49-MHz band, but off channel. I'm thinking FM baby monitor receivers would probably stay locked to their own transmitters and not hear the 7,500 Hz beat from QRSS□especially receivers at some distance from the QRSS transmitter.

Best regards,

Steven, 49H7SC

--- In 49megahertz@yahoogroups.com, 49MHz Experimental Radio Club <49MHzERC@h...> wrote:
> On Feb 25, 2005, at 9:50 PM, Steven Coles wrote:
>
> > Look's like our moderator's incommunicado.
>
> Just sent it out. Did you get it OK?
>
> > I recall a formula for 49MHz membership IDs. I think yours should
> > be: 49H6DC
>
> That's it!
>
> 73 de Michael 49H3MA
> President, 49MHz ERC

654. RE: [49MHz] Re: New member in Irvine CA

Yahoo group: 49megahertz
Date: 2005-02-28 07:09:37 UTC
From: Dale Cabell
Topic: 644 Message: 654

Yes Thanks! Does anyone have GE or Lafayette Radios?

73's
Dale Cabell
49H6DC
-----Original Message-----
From: 49MHz Experimental Radio Club [mailto:49MHzERC@...]
Sent: Saturday, February 26, 2005 4:45 PM
To: 49megahertz@yahoogroups.com
Subject: Re: [49MHz] Re: New member in Irvine CA

On Feb 25, 2005, at 9:50 PM, Steven Coles wrote:

> Look's like our moderator's incommunicado.

Just sent it out. Did you get it OK?

> I recall a formula for 49MHz membership IDs. I think yours should
> be: 49H6DC

That's it!

73 de Michael 49H3MA
President, 49MHz ERC

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a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/49megahertz/

b.. To unsubscribe from this group, send an email to:
49megahertz-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

655. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-03-01 23:12:19 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 655

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

656. Detecting Stations in Noise

Yahoo group: 49megahertz
Date: 2005-03-05 02:42:07 UTC
From: Steven Coles
Topic: 656 Message: 656

All,

Since I now have a 49-54 MHz converter patched into a receiver, I turned on the BFO, patched the receiver headphone output into my sound card, and ran Spectran. Spectran is a waterfall display program (others will work, too). It displays carriers I can't hear□ especially when several are stacked up a few 10s of Hz apart.

With Spectran several baby monitor carriers show up on a couple 49-MHz channels. The baby monitor carriers stay on for hours. Two part-15 operators will have carriers at slightly different frequencies. The Alternation between the two carrier frequencies will be apparent on a waterfall display.

By using a waterfall display I can be listening to TV or a ham receiver and a glance at the computer display will alert me to a 49 MHz carrier coming on. This gives me a better chance of answering calls or joining conversations. If my ear can't pick the conversation out of the noise, I can set the display to very slow and carry my handheld out looking for better reception. If I come back empty, I can check the display to see how long they continued.

http://www.qsl.net/dl4yhf/spectra1.html

Best regards,

Steven

657. Re: [49MHz] Detecting Stations in Noise

Yahoo group: 49megahertz
Date: 2005-03-05 04:12:14 UTC
From: KD7JYK
Topic: 657 Message: 657

I also use Argo and Spectrogram. I can monitor mW signals thousands of miles away with these programs. A suggestion... Test each component seperately, that is, run your software with just the soundcard, then with just the audio cable attached, then the RX with no antenna, and then the whole setup with the antenna. This will allow you identify noise that appears as carriers within your installation. For example, the hard drive noise will cause dozens of "carriers" to appear on my screen when just the patch cord is attached. If you get ground loop noise, an isolation transformer works perfectly in the audio line. I use Argo to monitor Part 15 communications around 13 MHz and regularly receive signals from the East Coast, about 2,700 miles.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

658. Re: Detecting Stations in Noise

Yahoo group: 49megahertz
Date: 2005-03-05 07:38:13 UTC
From: Steven Coles
Topic: 657 Message: 658

Kurt,

Thank you for your reply, advice, and inspiration.

Advice on running the software itself might also be useful. I think I had my receiver volume set too high this evening. The contrast between noise and signal improved as I turned the gain down. I'd like to change to a receiver with an "AGC off" setting and narrower IF bandpass. Any moderately strong carrier causes everything else to vanish.

So far it's a bit of a thrill to tape down the PPT switch on a toy walkie talkie, throw it in a bush, come home, and tweak for best signal to noise. In the display.

This evening's test revealed that a transceiver taken from indoors to outdoors drifts a lot more than a baby monitor remaining at indoor temperature.

What's your favorite HiFer forum?

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@e...> wrote:
> I also use Argo and Spectrogram. I can monitor mW signals thousands of miles away with these programs. A suggestion... Test each component seperately, that is, run your software with just the soundcard, then with just the audio cable attached, then the RX with no antenna, and then the whole setup with the antenna. This will allow you identify noise that appears as carriers within your installation. For example, the hard drive noise will cause dozens of "carriers" to appear on my screen when just the patch cord is attached. If you get ground loop noise, an isolation transformer works perfectly in the audio line. I use Argo to monitor Part 15 communications around 13 MHz and regularly receive signals from the East Coast, about 2,700 miles.
>
> Kurt
>
> Rosetta Proving Ground, Nevada
> Hell's Laboratory

659. What is a blog?

Yahoo group: 49megahertz
Date: 2005-03-21 16:13:07 UTC
From: sybil762z
Topic: 659 Message: 659

I found this url surfing, http://blogs.ardice.com
But can someone explain to me what a blog is? - Sybil762z

660. Re: [49MHz] Digest Number 284

Yahoo group: 49megahertz
Date: 2005-03-22 17:17:41 UTC
From: Matthew Lafayette
Topic: 660 Message: 660

ANOTHER SPAMMER !!! HIT ALL OF THE OTHER GROUPS I
BELONG TO!

--- 49megahertz@yahoogroups.com wrote:
>
> There is 1 message in this issue.
>
> Topics in this digest:
>
> 1. What is a blog?
> From: "sybil762z" <sybil762z@...>
>
>
>

>

>
> Message: 1
> Date: Mon, 21 Mar 2005 16:13:07 -0000
> From: "sybil762z" <sybil762z@...>
> Subject: What is a blog?
>
>
> I found this url surfing, http://blogs.ardice.com
> But can someone explain to me what a blog is? -
> Sybil762z
>
>
>
>
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>

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> Yahoo! Groups Links
>
>
> 49megahertz-unsubscribe@yahoogroups.com

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_____
Do you Yahoo!?
Yahoo! Small Business - Try our new resources site!
http://smallbusiness.yahoo.com/resources/

661. need schematic

Yahoo group: 49megahertz
Date: 2005-03-28 18:32:41 UTC
From: kf4wbj
Topic: 661 Message: 661

i have a radio shack wireless mic that
is in the 49 meter range. i would like
a schematic for it to convert it to the
6 meter band. also i wonder if anyone in
the durham,nc area is into 49meg commun
ication.

662. Re: need schematic

Yahoo group: 49megahertz
Date: 2005-03-29 05:38:54 UTC
From: Steven Coles
Topic: 661 Message: 662

KF4WBJ,

If it works like most baby monitor transmitters, it's narrow-band FM and you'll find a crystal near 16.6 MHz in it. Changing the crystal to 1/3 the desired transmit frequency should put you where you want to be. Get the number off the chip and surf to the data sheet. The sample circuit in the data sheet will probably be close to what's in the microphone.

If it's near bottom of the line, you'll find a crystal near 49.86 MHz and only discrete parts (3 to 5 transistors) in it. Then it's probably an AM modulated oscillator. If so, it will have some FM superimposed on the AM and will be a little substandard for ham use. This is not likely. But if it is a discrete AM transmitter, you could still use it as an exciter for a collector-modulated RF amplifier.

A 49 MHz transmitter injected into an SA602 or similar mixer chip makes a 6-meter receive converter. I recently built an SA602 6-meter converter and found the chip surprisingly forgiving and easy to use.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "kf4wbj" <kf4wbj@y...> wrote:
>
> i have a radio shack wireless mic that
> is in the 49 meter range. i would like
> a schematic for it to convert it to the
> 6 meter band. also i wonder if anyone in
> the durham,nc area is into 49meg commun
> ication.

663. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-04-01 23:31:26 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 663

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

664. seismograpic station

Yahoo group: 49megahertz
Date: 2005-04-05 03:26:26 UTC
From: allanegleston
Topic: 664 Message: 664

Saw a posting of a fellow who uses a 49 m.h.z. baby monitor to give a
fellow an alarm if his homemade seismograph detects an earthquake.
he also uses 1.2 gigs for telemetry.
This was a post only now website. Darn
73's Allan Egleston kf6uxj

665. Re: [49MHz] seismograpic station

Yahoo group: 49megahertz
Date: 2005-04-05 03:31:54 UTC
From: KD7JYK
Topic: 665 Message: 665

Where did you see this posting?

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory
----- Original Message -----
From: allanegleston

Saw a posting of a fellow who uses a 49 m.h.z. baby monitor to give a fellow an alarm if his homemade seismograph detects an earthquake.

666. re: seismgraphic station

Yahoo group: 49megahertz
Date: 2005-04-05 04:54:27 UTC
From: allanegleston
Topic: 666 Message: 666

THe post came through a e-mail group that I belong to. u might go to google search engine and type out psn-l go to the link and find the psn-l link. I dont know if the psn-l has any archive serves. I will check for u 73's Allan kf6uxj

667. re: re sismograephic station

Yahoo group: 49megahertz
Date: 2005-04-05 04:58:57 UTC
From: allanegleston
Topic: 667 Message: 667

Here is the link to the psn-l archive service
http://psn.quake.net/info/psnl05q1.txt

668. Re: [49MHz] re: seismgraphic station

Yahoo group: 49megahertz
Date: 2005-04-05 05:04:49 UTC
From: KD7JYK
Topic: 668 Message: 668

I found the list. I recall the Public Seismic Netorok, the husband and wife than ran it lived a few blocks from me. I used to monitor their VHF signals. I recall the feds busting them a dozen or so times in the 90's, something along the lines of numerous ill-obtained radio call-signs and other violations...

I used to check into their system when they ran a BBS before the internet was readily available... The good old days...

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

669. link...

Yahoo group: 49megahertz
Date: 2005-04-05 05:11:55 UTC
From: KD7JYK
Topic: 669 Message: 669

"http://psn.quake.net/info/psnl05q1.txt"

Good stuff, thanks.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

670. re: seismgraphic station-link

Yahoo group: 49megahertz
Date: 2005-04-05 21:29:44 UTC
From: allanegleston
Topic: 670 Message: 670

https://home.comcast.net/~bryangoss/setup.jpg

671. 49 MHz Thread on Rap ☐n☐ Tap

Yahoo group: 49megahertz
Date: 2005-04-10 19:12:47 UTC
From: Steven Coles
Topic: 671 Message: 671

All,

There's a thread on the Rap `n' Tap crystal set forum about 49-MHz Part-15 frequency allocation conflicts. The `UHF' in the thread title is a typographical error.

The thread includes a couple amusing examples. It also includes a still unsatisfactorily answered question about receiving CW on a baby monitor. If you're curious or have any information for them, check it out.

http://www.midnightscience.com/rapntap/default.asp

Fireside Crystal Radio Clubhouse

UHF baby monitor picking up Morse code

Best regards,

Steven, 49H7SC

672. RE: [49MHz] File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-04-10 23:28:47 UTC
From: Skip Talker
Topic: 602 Message: 672

Newbie here.

Is anyone out there activly monitoring these frequnecies and ready to reply?

>From: 49megahertz@yahoogroups.com
>Reply-To: 49megahertz@yahoogroups.com
>To: 49megahertz@yahoogroups.com
>Subject: [49MHz] File - Suggested Frequencies
>Date: 1 Apr 2005 23:31:26 -0000
>
>
>These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.
>
>49.8300MHz - Recommended Hobbyist Operations Freq
>49.8450MHz
>49.8600MHz - Recommended Hobbyist Operations Freq.
>49.8750MHz
>49.8900MHz

673. Re: Monitoring

Yahoo group: 49megahertz
Date: 2005-04-11 20:10:42 UTC
From: Steven Coles
Topic: 602 Message: 673

Skip Talker,

Glad to see a new member posting.

I monitor off and on. I monitor whichever frequency has the least baby-monitor strength. A problem there is the optimum frequency a block away might be different.

Naturally, I monitor when I'm taking a bike transceiver out to check a new setup on my receiver. On these occasions I use free QRSS (very slow automated radio telegraph) receiving software such a Gram, Spectran, or ARGO waterfall displays. When I return home I inspect the display for reception of my own signal and whether anybody else has been on frequency (which would produce a line parallel to mine with different timing). Besides the software I had to add a patch cord between my receiver and my sound card. I still need to add an isolation transformer to the patch cord (to break a ground loop which adds a little hum).

I'm also monitoring when walking to and from the transmit location. Because I'm running the display at a speed that fills a screen in about 40 minutes, someone has to transmit for 20 seconds to be sure of showing up on my display.

With a lot of clean up to complete on my QRSS system, I see my bicycle transceiver out to about 4900 feet. Changing the receiving antenna from a ground plane to a Moxon and isolating hum sources in my system should increase my range noticeably. I don't know how much yet.

If I change to a receiver with no AVC (automatic volume control), I'll be able to detect handhelds on frequencies being used by nearby baby monitors. A direct conversion receiver would be an inexpensive route to no AVC. Or I could just a switch to the AVC line in a superheterodyne receiver.

Maybe I'm getting overly complicated. But it makes the difference between monitoring a 600-foot radius and a 4900-foot radius. That's still entirely within the suburb of Kenmore, WA. (Good to include your location once in a while as it helps find people to schedule with. So far my results beyond my own micro-beacons and handhelds are nil. But I'm still having fun.

Best regards,

Steven, 49H7SC

674. A reply to Steve and info for others as well Re: [49MHz] Re: Detecting Stations in Noise

Yahoo group: 49megahertz
Date: 2005-04-25 16:55:27 UTC
From: KD7JYK, 49H7KR
Topic: 674 Message: 674

Sorry for the delay...

Advice on running the software itself might also be useful.

What kind of information or help do you need?

I think I had my receiver volume set too high this evening. The contrast between noise and signal improved as I turned the gain down.

I find it is a fine line between too little signal and too much noise, barely a touch on the volume control. I also turn the gain on the software down slightly. I have regularly been receiving a fellows 1W beacon from Washington (I'm in Nevada) around 1.9 MHz on CB radio whip. I have managed to get it to appear "blinding" on the screen when receiving it.

I'd like to change to a receiver with an "AGC off" setting and narrower
IF bandpass. Any moderately strong carrier causes everything else
to vanish.

What kind of receiver are you using now?

So far it's a bit of a thrill to tape down the PPT switch on a toy
walkie talkie, throw it in a bush, come home, and tweak for best
signal to noise. In the display.

I used to do similar things for other annoying purposes! I have an idea of making a small 2m beacon running only a few mW and sticking it on a hilltop and seeing where I can hear it from.

This evening's test revealed that a transceiver taken from indoors
to outdoors drifts a lot more than a baby monitor remaining at
indoor temperature.

Probably cheap crystal drift. Another idea I have but have yet to try... Get a tiny light from a hobby shop, a "grain of wheat" type and secure it to the crystal. With the light running the crystal should stay at a fairly constant temperature due to the heat generated. Maybe put a little insulation around it. I think one fellow mentioned using a resistor set to draw a few mA would work better as the energy is converted directly to heat.

What's your favorite HiFer forum?

I can only think of a couple, this one and one at http://www.lwca.org

Check this out too: http://www.lwca.org/sitepage/part15/index.htm

Another interesting thing to research is the low powered "cluster beacons". I pick up many most any night.

For some reason 49 MHz operating really never caught on. I've been playing with it since 1993 when I built my first beacon that sent X in CW. I could hear it all of a block away on a Uniden BC200XLT

I think for me, the best receiving setup will be an all mode 6m transverter connected to my Kenwood TS-570D with a nice pre-amp, norrow filters and a 7 element Military Log Periodic Array centered on 6m. All I need is the transveter, or maybe an upgrade of my radio to the 570DS which has 6m. I do have a nice FM rig, an Alinco DRMO6, and an Icom IC-706MKII which covers 49 MHz in all modes, but it is mounted in my truck an not practical for experimentation.

Kurt

675. A reply to Steve and info for others as well Re: [49MHz] Re: Detecting Stations in Noise

Yahoo group: 49megahertz
Date: 2005-04-26 01:46:43 UTC
From: Steven Coles
Topic: 674 Message: 675

Kurt,

Thank you for the reply.

Would that be Washington, DC or Washington State?

I need to narrow my focus a bit. I'll start at the end. As far as I know, essentially all 49 MHz crystals are economy types. Your plan should work.

The alternatives are special ordering top-end crystals or synthesizing from top crystals on other frequencies. I think your plan makes the most direct use of obtainium.

As I used to build temperature controllers for chemical research instruments, I might go so far as to use temperature feedback (such as an all electronic thermostat) for further increased stability. For the operator who doesn't mind a bit larger thermally insulated box, an aquarium heater thermostat trips at a good temperature for crystals. When employing an entire aquarium heater, it needs to operate in water or from a lower voltage. Then again, if you happen to have your station next to a temperature-controlled aquarium. . .

For extreme stability in the early days of ham moon bounce some operators buried their oscillators under ground.

Sometimes QRSS waterfall displays reveal the slight temperature cycling of even the good-quality crystal ovens used in commercial broadcasting. This is best seem in the 1500 to 1700 kHz range when observing the frequency relation between several distant commercial AM stations' carriers. When doing this I use a BFO to get the frequencies into my sound card a bit above the 60 Hz noise and its strongest harmonics.

Your comments?

Best regards,

Steven 49H7SC

--- In 49megahertz@yahoogroups.com, "KD7JYK, 49H7KR" <kd7jyk@e...> wrote:
> Sorry for the delay...
>
> Advice on running the software itself might also be useful.
>

> What kind of information or help do you need?
>
> I think I had my receiver volume set too high this evening. The
contrast between noise and signal improved as I turned the gain down.
>
> I find it is a fine line between too little signal and too much
noise, barely a touch on the volume control. I also turn the gain
on the software down slightly. I have regularly been receiving a
fellows 1W beacon from Washington (I'm in Nevada) around 1.9 MHz on
CB radio whip. I have managed to get it to appear "blinding" on the
screen when receiving it.
>
>
> I'd like to change to a receiver with an "AGC off" setting and
narrower
> IF bandpass. Any moderately strong carrier causes everything else
> to vanish.
>
> What kind of receiver are you using now?
>
> So far it's a bit of a thrill to tape down the PPT switch on a toy
> walkie talkie, throw it in a bush, come home, and tweak for best
> signal to noise. In the display.
>
> I used to do similar things for other annoying purposes! I have
an idea of making a small 2m beacon running only a few mW and
sticking it on a hilltop and seeing where I can hear it from.
>
> This evening's test revealed that a transceiver taken from indoors
> to outdoors drifts a lot more than a baby monitor remaining at
> indoor temperature.
>
> Probably cheap crystal drift. Another idea I have but have yet to
try... Get a tiny light from a hobby shop, a "grain of wheat" type
and secure it to the crystal. With the light running the crystal
should stay at a fairly constant temperature due to the heat
generated. Maybe put a little insulation around it. I think one
fellow mentioned using a resistor set to draw a few mA would work
better as the energy is converted directly to heat.
>
>
> What's your favorite HiFer forum?
>
> I can only think of a couple, this one and one at
http://www.lwca.org
>
> Check this out too: http://www.lwca.org/sitepage/part15/index.htm
>
> Another interesting thing to research is the low powered "cluster
beacons". I pick up many most any night.

>
> For some reason 49 MHz operating really never caught on. I've been playing with it since 1993 when I built my first beacon that sent X in CW. I could hear it all of a block away on a Uniden BC200XLT
>
> I think for me, the best receiving setup will be an all mode 6m transverter connected to my Kenwood TS-570D with a nice pre-amp, norrow filters and a 7 element Military Log Periodic Array centered on 6m. All I need is the transveter, or maybe an upgrade of my radio to the 570DS which has 6m. I do have a nice FM rig, an Alinco DRMO6, and an Icom IC-706MKII which covers 49 MHz in all modes, but it is mounted in my truck an not practical for experimentation.
>
> Kurt

676. Re: A reply to Steve and info for others as well Re: [49MHz] Re: Detecting Stations in Noise

Yahoo group: 49megahertz
Date: 2005-04-26 02:49:28 UTC
From: KD7JYK, 49H7KR
Topic: 674 Message: 676

See? I'm getting better, this reply came within minutes!!!!

Would that be Washington, DC or Washington State?

That would be WA state. WA7OIL (W7?) is the fellows call. It has been a while since I have monitored his beacon, I was giving him feedback as he was designing the synthesizer and keying circuit. He was too close to get decent results.

I need to narrow my focus a bit. I'll start at the end. As far as I know, essentially all 49 MHz crystals are economy types. Your plan should work.

Yes, I am pretty certain they are the 12 cents per truckload version of crystal. A lot of the LowFER guys use higher frequency crystals and divide by as much as 32. The drift and noise is divided by that much as well. I have some high stability synthesizers but I have yet to play with them.

The alternatives are special ordering top-end crystals or synthesizing from top crystals on other frequencies. I think your plan makes the most direct use of obtainium.

Some of those crystals cost more than a good 49 MHz station!

As I used to build temperature controllers for chemical research instruments, I might go so far as to use temperature feedback

I asked about this for my beacon RPG on 13,555.430 KHz, and suggested the use of an op-amp feedback circuit as it would be exposed to -10ºF and I was told it wouldn't be overly stable, especially for QRSS (slow CW, up to several minutes per dot) and there would be a lot of drift noticed on Argo, more of a slow sine wave.

For extreme stability in the early days of ham moon bounce some
operators buried their oscillators under ground.

I've thought of this for some projects, which is much more practical than puting them in a small atmospheric chamber I have. Much less power hungry design as well. My office is underground and stays around 65ºF year round. I also have access to a bomb shelter which is stable temperature wise as well.

Kurt

677. A reply to Steve and info for others as well Re: [49MHz] Re: Detecting Stations in Noise

Yahoo group: 49megahertz
Date: 2005-04-26 13:23:00 UTC
From: Steven Coles
Topic: 674 Message: 677

Kurt,

Seems there's a Dan Petersen, W7OIL, in LaCentre, WA who's a friend of a friend. Looks like he's done a bit on 135 kHz. He is known for involvement in the Mystery Crystal Set. I'll check with my friend.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "KD7JYK, 49H7KR" <kd7jyk@e...> wrote:
> See? I'm getting better, this reply came within minutes!!!!
>
> Would that be Washington, DC or Washington State?
>
> That would be WA state. WA7OIL (W7?) is the fellows call. It has been a while since I have monitored his beacon, I was giving him feedback as he was designing the synthesizer and keying circuit. He was too close to get decent results.
>
> I need to narrow my focus a bit. I'll start at the end. As far as I know, essentially all 49 MHz crystals are economy types. Your plan should work.
>
> Yes, I am pretty certain they are the 12 cents per truckload version of crystal. A lot of the LowFER guys use higher frequency crystals and divide by as much as 32. The drift and noise is divided by that much as well. I have some high stability synthesizers but I have yet to play with them.
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> I asked about this for my beacon RPG on 13,555.430 KHz, and suggested the use of an op-amp feedback circuit as it would be exposed to -10ºF and I was told it wouldn't be overly stable, especially for QRSS (slow CW, up to several minutes per dot) and there would be a lot of drift noticed on Argo, more of a slow sine

wave.
>
> For extreme stability in the early days of ham moon bounce some
> operators buried their oscillators under ground.
>
> I've thought of this for some projects, which is much more
practical than puting them in a small atmospheric chamber I have.
Much less power hungry design as well. My office is underground and
stays around 65ºF year round. I also have access to a bomb shelter
which is stable temperature wise as well.
>
> Kurt

678. W7OIL

Yahoo group: 49megahertz
Date: 2005-04-26 15:47:48 UTC
From: KD7JYK, 49H7KR
Topic: 678 Message: 678

Yeah, he's the one. What is the Mystery Crystal Set?

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

679. Re: W7OIL

Yahoo group: 49megahertz
Date: 2005-04-28 02:08:56 UTC
From: Steven Coles
Topic: 678 Message: 679

Kurt,

Thank you for recommending I Listen for Dan. Yesterday he replied to my email saying in part,

"While not LF I do at this time have a beacon operating in the 160 meter band at 1999.425 kHz. I is running "QRSS3" which means the dits are 3 seconds long. It is running 1.5 watts into a 160m dipole antenna. You should have no trouble picking it up in the evenings."

Today I replied as follows:

Dan,

Thank you for the reply.

Yesterday evening's configuration was an untuned, unamplified mini (~6') Octoloop into (via clip leads) a Grundig YB400PE with its wall-wart cord wrapped 4 times through the center of a Radio Shack snap-on choke. The earphone output went through 25' of headphone extension to a Radio Shack 1:1 audio transformer. The output of the transformer went into a sound card with Argo running.

My system did not pull you out of the noise with a 25' wire or without the isolation transformer. (Kurt on the 49-MHz Yahoo group recommended the audio isolation transformer and also recommended listening for you at about the same time Ramon did.)

I've very much enjoyed the LWCA website for ~18 months. My early tests used Ramon's crystal and audio oscillators across the room variously into a direct conversion receiver and a Jackson Harbor up converter.

From there I went to listening to stock Part-15 transceivers with my best being 4900 feet on 49 MHz.

After that seeing your call scroll across my screen was more than a 100 times distance jump and a real thrill.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "KD7JYK, 49H7KR" <kd7jyk@e...> wrote:
> Yeah, he's the one. What is the Mystery Crystal Set?
>
> Kurt

>
> Rosetta Proving Ground, Nevada
> Hell's Laboratory

680. Re: W7OIL--Mystery Crystal Set

Yahoo group: 49megahertz
Date: 2005-04-28 02:25:50 UTC
From: Steven Coles
Topic: 678 Message: 680

Kurt,

The Modern Radio Labs (MRL), Tuggle, and Mystery crystal sets are topologies that have repeatedly received medium-wave and short-wave broadcasts over paths exceeding 2000 miles. Dan appears to be among the world's 20 best-known crystal set DXers.

Crystal sets have been used with various degrees of success from 150 kHz to 10s of GHz. My modest crystal set with a 40" by 40" ground-floor loop antenna usually pulls in 6 to 9 stations with a range of 50 miles when receiving 50 kW AM. That's doing better than 2 of my cheaper 6-transistor radios.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "KD7JYK, 49H7KR" <kd7jyk@e...> wrote:
> Yeah, he's the one. What is the Mystery Crystal Set?
>
> Kurt
>
> Rosetta Proving Ground, Nevada
> Hell's Laboratory

682. Re: [49MHz] Re: W7OIL--Mystery Crystal Set

Yahoo group: 49megahertz
Date: 2005-04-28 15:26:01 UTC
From: larry
Topic: 682 Message: 682

Please excuse my dumbness but how can a crystal set receive below the broadcast band.. I realise that the received frequency is largely dependand on the tuned circuit but / so, how do they do it..
and how can a crystal set receive frequencies about the broadcast band?.. same reasoning...
Larry

----- Original Message -----
From: Steven Coles
To: 49megahertz@yahoogroups.com
Sent: Wednesday, April 27, 2005 10:25 PM
Subject: [49MHz] Re: W7OIL--Mystery Crystal Set

Kurt,

The Modern Radio Labs (MRL), Tuggle, and Mystery crystal sets are topologies that have repeatedly received medium-wave and short-wave broadcasts over paths exceeding 2000 miles. Dan appears to be among the world's 20 best-known crystal set DXers.

Crystal sets have been used with various degrees of success from 150 kHz to 10s of GHz. My modest crystal set with a 40" by 40" ground-floor loop antenna usually pulls in 6 to 9 stations with a range of 50 miles when receiving 50 kW AM. That's doing better than 2 of my cheaper 6-transistor radios.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "KD7JYK, 49H7KR" <kd7jyk@e...>
wrote:
> Yeah, he's the one. What is the Mystery Crystal Set?
>
> Kurt
>
> Rosetta Proving Ground, Nevada
> Hell's Laboratory

Yahoo! Groups Links

a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/49megahertz/

b.. To unsubscribe from this group, send an email to:
49megahertz-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

683. Re: [49MHz] Re: W7OIL--Mystery Crystal Set

Yahoo group: 49megahertz
Date: 2005-04-28 15:47:13 UTC
From: KD7JYK, 49H7KR
Topic: 682 Message: 683

Are you asking how they work in general or how the work on other frequencies other than AM broadcast?

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

684. [49MHz] Re: W7OIL--Mystery Crystal Set

Yahoo group: 49megahertz
Date: 2005-04-28 20:32:32 UTC
From: Steve
Topic: 682 Message: 684

Not dumbness. Everyone was a newbie at some time, and every one -is- a newbie at something.

Received frequency is -entirely- dependent on the tuned circuit, so you just rewind the coil with more or less turns, or add and subtract capacitance to change what frequencies are covered.

As you add turns, inductance goes up, and frequency goes down. And vice versa. With capacitance, as the plates mesh more the capacitance goes up, or fixed capacitors may be added in parallel to increase capacitance, which lowers the frequency.

Bandswitching or changing of frequencies covered is usually done by changing the inductor. It may be removable and replaceable, or a tapped inductor may be used with a rotary switch or alligator clip.

It's not normally done by changing capacitors. If you add a fixed capacitor, the tuning capacitor becomes a smaller percentage of the total, so only a smaller band can be covered.

I hope this babbling makes some sense. ;')

Steve Greenfield

--- In 49megahertz@yahoogroups.com, "larry" <larya@r...> wrote:
> Please excuse my dumbness but how can a crystal set receive below the broadcast band.. I realise that the received frequency is largely dependand on the tuned circuit but / so, how do they do it..
> and how can a crystal set receive frequencies about the broadcast band?.. same reasoning...
> Larry
>
> ----- Original Message -----
> From: Steven Coles
> To: 49megahertz@yahoogroups.com
> Sent: Wednesday, April 27, 2005 10:25 PM
> Subject: [49MHz] Re: W7OIL--Mystery Crystal Set
>
>
>
>
> Kurt,
>
> The Modern Radio Labs (MRL), Tuggle, and Mystery crystal sets are
> topologies that have repeatedly received medium-wave and short-wave
> broadcasts over paths exceeding 2000 miles. Dan appears to be among
> the world's 20 best-known crystal set DXers.
>

> Crystal sets have been used with various degrees of success from 150
> kHz to 10s of GHz. My modest crystal set with a 40" by 40" ground-
> floor loop antenna usually pulls in 6 to 9 stations with a range of
> 50 miles when receiving 50 kW AM. That's doing better than 2 of my
> cheaper 6-transistor radios.
>
> Best regards,
>
> Steven
>
> --- In 49megahertz@yahoogroups.com, "KD7JYK, 49H7KR" <kd7jyk@e...>
> wrote:
> > Yeah, he's the one. What is the Mystery Crystal Set?
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> > Kurt
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> > Rosetta Proving Ground, Nevada
> > Hell's Laboratory
>
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>
>
>
>

> Yahoo! Groups Links
>
> a.. To visit your group on the web, go to:
> http://groups.yahoo.com/group/49megahertz/
>
> b.. To unsubscribe from this group, send an email to:
> 49megahertz-unsubscribe@yahoogroups.com
>
> c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of
Service.

685. Re: [49MHz] Re: W7OIL--Mystery Crystal Set

Yahoo group: 49megahertz
Date: 2005-04-29 18:31:34 UTC
From: larry
Topic: 682 Message: 685

Perhaps I should start, more or less, at the beginning...
When I was around 10 (I am 56now), I was in grade 5, a grade 8 teacher helped introduce me to crystal sets along with my uncle, a radio amateur, who added more practical training... It seemed to me, at the time, that you could add or subtract turns and get different stations. I lived, and still do, in a large metropolitan city.. All I could pick up was the strongest, or stronger, stations...
With all due respect to this group, I can't see how you can reduce the number of turns on a crystal set to, lets say, 10 turns and use a smaller capacitor and tune in short wave stations... eg above the broadcast band...
If this were true.. what would be the point of designing more expensive radios.. I do appreciate that the more advanced radios can increase the selectivity and sensitivity of a radio and give speaker volume beyond that of a crystal set... but a single tuned circuit and a diode and an earphone, paralleled with a paralleled capacitor and resitor, can only do so much...
Larry
I have also been an amateur radio experimenter and operator since 1964...not that I am braging...

--- Original Message -----
From: KD7JYK, 49H7KR
To: 49megahertz@yahoogroups.com
Sent: Thursday, April 28, 2005 11:47 AM
Subject: Re: [49MHz] Re: W7OIL--Mystery Crystal Set

Are you asking how they work in general or how the work on other frequencies other than AM broadcast?

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

Yahoo! Groups Links

a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/49megahertz/

b.. To unsubscribe from this group, send an email to:
49megahertz-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

686. [49MHz] Re: W7OIL--Mystery Crystal Set

Yahoo group: 49megahertz
Date: 2005-04-29 19:06:33 UTC
From: Steve
Topic: 682 Message: 686

Sounds like your question restated might be:

How can a crystal set pick up weak shortwave radio stations?

Simple two part answer: A huge antenna. And only strong stations.

About the same age, I convinced my folks to buy me a crystal radio kit as an early (3 months early) birthday present. I got so-so reception, bedroom in the basement and the antenna was a wire out the window and up as high as I could reach.

Reception was so-so. Then because I stuck with what I'd promised my folks, not asking for another present on my birthday, my dad took me out and we picked up an antenna kit at Radio Shack. Went up and strung it on the roof, just laying on the peak but from one end to the other of a ranch style home.

Wow... what a difference! I could pick up -lots- more stations.

This kit used a fixed capacitor and a slider on the coil. Like the Quaker Oats crystal radios I saw in do-it-yourself books, you wound the coil then lightly sanded a strip down to copper. A metal arm made sliding contact.

I found out everything I could about crystal radios. I was testing everything in the house in place of the diode, found my pocket knife (carbon steel) and a single edge razor blade (also carbon steel and blued) using a bent safety pin made a great replacement for the crystal. I tore apart old radios and made a pocket size crystal radio that I carried with me everywhere. I had a slug-tuned coil and capacitor, I took that, some wire, a piezo (xtal) earphone with me hiking and would whip out my pocket knife to use in place of the germanium diode, just because I could.

I tried making a loop antenna, but didn't understand then that I needed to tune -it-, too. Noticed that if I put it near my parents (huge) stereo, I got better reception when the stereo was tuned to the same station. Learned about hand capacitance, and the loading effects of the antenna.

Of course, a superhet or superregen blows a crystal radio away in sensitivity, selectivity, and volume. But what's the big deal in just buying a $10 radio (er, $1 if you only want FM) when you can whip one up from parts?

Steve Greenfield

--- In 49megahertz@yahoogroups.com, "larry" <larya@r...> wrote:
> Perhaps I should start, more or less, at the beginning...
> When I was around 10 (I am 56now), I was in grade 5, a grade 8
teacher helped introduce me to crystal sets along with my uncle, a
radio amateur, who added more practical training...
> It seemed to me, at the time, that you could add or subtract turns
and get different stations. I lived, and still do, in a large
metropolitan city.. All I could pick up was the strongest, or
stronger, stations...
> With all due respect to this group, I can't see how you can reduce
the number of turns on a crystal set to, lets say, 10 turns and use a
smaller capacitor and tune in short wave stations... eg above the
broadcast band...
> If this were true.. what would be the point of designing more
expensive radios.. I do appreciate that the more advanced radios can
increase the selectivity and sensitivity of a radio and give speaker
volume beyond that of a crystal set... but a single tuned circuit and
a diode and an earphone, paralleled with a paralleled capacitor and
resitor, can only do so much...
> Larry
> I have also been an amateur radio experimenter and operator since
1964...not that I am braging...
>
> --- Original Message -----
> From: KD7JYK, 49H7KR
> To: 49megahertz@yahoogroups.com
> Sent: Thursday, April 28, 2005 11:47 AM
> Subject: Re: [49MHz] Re: W7OIL--Mystery Crystal Set
>
>
> Are you asking how they work in general or how the work on other
frequencies other than AM broadcast?
>
> Kurt
>
> Rosetta Proving Ground, Nevada
> Hell's Laboratory
>
>
>

> Yahoo! Groups Links
>
> a.. To visit your group on the web, go to:
> http://groups.yahoo.com/group/49megahertz/
>
> b.. To unsubscribe from this group, send an email to:
> 49megahertz-unsubscribe@yahoogroups.com
>
> c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of
Service.

687. Re: [49MHz] Re: W7OIL--Mystery Crystal Set

Yahoo group: 49megahertz
Date: 2005-04-29 19:42:28 UTC
From: Brian H
Topic: 682 Message: 687

Hi Larry,
Selectivity and sensitivity is why they build more
more expensive radios.
Selectivity is important for seperating the stronger
stations from the weaker ones and sensitivity allows
you to hear more of the weaker stations.
You need a balance of the two to pick up and hear the
most stations.
As for the size of the cap and the number of turns on
the coil, you have a resonit (sp?) circuit so the
voltage to the diode will be highest at the freq. of
resonance.
So if you use a high enough freq. diode you can
receive signals well into the microwaves.
I hope this helps.
73 Brian ka2cxg

--- larry <larya@...> wrote:

> Perhaps I should start, more or less, at the
> beginning...
> When I was around 10 (I am 56now), I was in grade 5,
> a grade 8 teacher helped introduce me to crystal
> sets along with my uncle, a radio amateur, who added
> more practical training...
> It seemed to me, at the time, that you could add or
> subtract turns and get different stations. I lived,
> and still do, in a large metropolitan city.. All I
> could pick up was the strongest, or stronger,
> stations...
> With all due respect to this group, I can't see how
> you can reduce the number of turns on a crystal set
> to, lets say, 10 turns and use a smaller capacitor
> and tune in short wave stations... eg above the
> broadcast band...
> If this were true.. what would be the point of
> designing more expensive radios.. I do appreciate
> that the more advanced radios can increase the
> selectivity and sensitivity of a radio and give
> speaker volume beyond that of a crystal set... but a
> single tuned circuit and a diode and an earphone,
> paralleled with a paralleled capacitor and resitor,
> can only do so much...
> Larry
> I have also been an amateur radio experimenter and

> operator since 1964...not that I am braging...

_____
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http://mail.yahoo.com

688. Re: [49MHz] Re: W7OIL--Mystery Crystal Set

Yahoo group: 49megahertz
Date: 2005-04-29 22:18:37 UTC
From: larry
Topic: 682 Message: 688

What you are saying, I learned many decades ago...it is just the following sentence....
So if you use a high enough freq. diode you can
receive signals well into the microwaves.
that doesn't sit well with me...

Are you suggesting that if I make a tuned circuit resonant to, lets say 14 mhz, and use a diode that can easily handle that frequency and an appropriate capacitor resistor combination accross a set of headphones.. and a length of wire, lets say 10 feet long... I will be able to pick of amateur radio conversations?...note there is an amateur band at 14 mhz....

Larry

----- Original Message -----
From: Brian H
To: 49megahertz@yahoogroups.com
Sent: Friday, April 29, 2005 3:42 PM
Subject: Re: [49MHz] Re: W7OIL--Mystery Crystal Set

Hi Larry,
Selectivity and sensitivity is why they build more
more expensive radios.
Selectivity is important for seperating the stronger
stations from the weaker ones and sensitivity allows
you to hear more of the weaker stations.
You need a balance of the two to pick up and hear the
most stations.
As for the size of the cap and the number of turns on
the coil, you have a resonit (sp?) circuit so the
voltage to the diode will be highest at the freq. of
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So if you use a high enough freq. diode you can
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I hope this helps.
73 Brian ka2cxg

--- larry <larya@...> wrote:

> Perhaps I should start, more or less, at the
> beginning...
> When I was around 10 (I am 56now), I was in grade 5,
> a grade 8 teacher helped introduce me to crystal
> sets along with my uncle, a radio amateur, who added
> more practical training...
> It seemed to me, at the time, that you could add or
> subtract turns and get different stations. I lived,

> and still do, in a large metropolitan city.. All I
> could pick up was the strongest, or stronger,
> stations...
> With all due respect to this group, I can't see how
> you can reduce the number of turns on a crystal set
> to, lets say, 10 turns and use a smaller capacitor
> and tune in short wave stations... eg above the
> broadcast band...
> If this were true.. what would be the point of
> designing more expensive radios.. I do appreciate
> that the more advanced radios can increase the
> selectivity and sensitivity of a radio and give
> speaker volume beyond that of a crystal set... but a
> single tuned circuit and a diode and an earphone,
> paralleled with a paralleled capacitor and resitor,
> can only do so much...
> Larry
> I have also been an amateur radio experimenter and
> operator since 1964...not that I am braging...

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689. Re: [49MHz] Re: W7OIL--Mystery Crystal Set

Yahoo group: 49megahertz
Date: 2005-04-29 22:52:54 UTC
From: KD7JYK, 49H7KR
Topic: 682 Message: 689

"Are you suggesting that if I make a tuned circuit resonant to, lets say 14 mhz, and use a diode that can easily handle that frequency and an appropriate capacitor resistor combination accross a set of headphones.. and a length of wire, lets say 10 feet long... I will be able to pick of amateur radio conversations?...note there is an amateur band at 14 mhz...."

If you mean MHz (Mega), rather than mhz (milli),Yep. Providing the transmission is in AM or CW, but I would suggest at least 100 feet of wire... You won't be using it to monitor PSK31 on 14,070 KHz USB. There are crystal sets you can inject a beat frequency into to receive SSB transmissions. The components used in crystal radios, inductor, capacitor and diode detector are available up to around 300 GHz. As to whether it is practical at these frequencies is another story, but the components are common and the theory doesn't change. In one radio book I have here, there is a description and diagram of a resonant cavity microwave transmitter operating at 75 GHz dated 1930.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

690. I should clarify..

Yahoo group: 49megahertz
Date: 2005-04-29 23:13:39 UTC
From: KD7JYK, 49H7KR
Topic: 690 Message: 690

By impractical crystal sets at microwave frequencies, I mean as a small easily usable radio such as you use for AM reception. Above just a few GHz, nearly microwave receivers are crystal radios, as that is what works at those frequencies. The inductor and capacitor are the waveguide and the detector, a diode is set 1\4 wavelength in from the back of the shorted waveguide. 5.8 GHz electronics have become abundant lately, mostly due to microstripline technology (fancy microwave antenna printed on a circuit board) and microwave monolithic integrated circuits (buncha fancy diodes) I don't have any of this 5.8 GHz equipment on hand, but I do have equipment from 2.5 to 24 GHz, all "crystal radio" by design and all of which I have connected headphones to to listen to signals, at times using an amplified speaker so others can listen.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

691. Re: [49MHz] Re: W7OIL--Mystery Crystal Set

Yahoo group: 49megahertz
Date: 2005-04-29 23:28:29 UTC
From: KD7JYK, 49H7KR
Topic: 682 Message: 691

"I have also been an amateur radio experimenter and operator since 1964...not that I am braging..."

Callsign?

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

692. trying again...

Yahoo group: 49megahertz
Date: 2005-04-29 23:52:02 UTC
From: KD7JYK, 49H7KR
Topic: 692 Message: 692

"I have also been an amateur radio experimenter and operator since 1964...not that I am braging..."

Callsign?

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

693. Re: [49MHz] I should clarify..

Yahoo group: 49megahertz
Date: 2005-04-30 00:02:41 UTC
From: larry
Topic: 693 Message: 693

Yes, I am glad you clarified your comments because I know now of what you speak...and I tend to agree....

When dealing with ghz, at the present state of technology, transistors capacitors coils, etc, have too many charactoristics that make them difficult to use in the ghz range...

I hope I am correct is saying that reflectors, as are used in satellite reception, are used to offset the lack of gain available in ghz receiver's front ends...

In time, with the increased development in better quality semiconductors, we may be able to connect a less complicated antenna and receive good satellite reception...

Cellphone technology, the inside workings, and surface mount technology, the outside workings, is also helping us get there sooner...

Larry

----- Original Message -----
From: KD7JYK, 49H7KR
To: 49megahertz@yahoogroups.com
Sent: Friday, April 29, 2005 7:13 PM
Subject: [49MHz] I should clarify..

By impractical crystal sets at microwave frequencies, I mean as a small easily usable radio such as you use for AM reception. Above just a few GHz, nearly microwave receivers are crystal radios, as that is what works at those frequencies. The inductor and capacitor are the waveguide and the detector, a diode is set 1\4 wavelength in from the back of the shorted waveguide. 5.8 GHz electronics have become abundant lately, mostly due to microstripline technology (fancy microwave antenna printed on a circuit board) and microwave monolithic integrated circuits (buncha fancy diodes) I don't have any of this 5.8 GHz equipment on hand, but I do have equipment from 2.5 to 24 GHz, all "crystal radio" by design and all of which I have connected headphones to to listen to signals, at times using an amplified speaker so others can listen.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

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694. Re: [49MHz] trying again...

Yahoo group: 49megahertz
Date: 2005-04-30 00:10:01 UTC
From: larry
Topic: 694 Message: 694

ve3fxq

----- Original Message -----
From: KD7JYK, 49H7KR
To: 49megahertz@yahoogroups.com
Sent: Friday, April 29, 2005 7:52 PM
Subject: [49MHz] trying again...

"I have also been an amateur radio experimenter and operator since 1964...not that I am braging..."

Callsign?

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

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695. Re: I should clarify..

Yahoo group: 49megahertz
Date: 2005-04-30 02:06:23 UTC
From: Steven Coles
Topic: 690 Message: 695

Kurt,

Around 1957 or 1958 the San Bernardino Microwave Society promoted modifying SO-239 coax receptacles to accommodate 1N23 silicon microwave diodes. As stated, these were placed ¼ wavelength from the closed end of an old-fashioned tin-plated steel beer can. A reflex klystron probe ¾ wavelength from the closed end supplied local-oscillator injection for frequency conversion. The other end was cut out and pointed into a 36" parabolic reflector. The SBMS originators broke the 3.3 GHz distance record with these units.

In the early 1960s Lucky Whitaker, W7CNK, and I (K7CZT at the time) built similar units and also 10 GHz units on WWII & Korean vintage surplus rectangular waveguide. We ran these RF heads in superheterodyne (30 or 60 MHz IF) and crystal-set mode. In crystal-set/direct conversion mode we demonstrated Doppler reflection from a moving object at a small amateur radio society.

About the same time a crystal set driving a 2-transistor amplifier (Popular Electronics' VHF T-Ear using a 1N82 diode and germanium transistors) was a favorite project for listening to 108-136 MHz aircraft. A crystal set was chosen because it generates nearly zero radio frequency interference which could interfere with aircraft navigation and communication. (A crystal set will reradiate some weak inter-modulation products.) Regenerative, super-regenerative and superheterodyne receivers all generate oscillations at or near the received frequency.

These days MMIC transistor amplifiers to at least 2.4 GHz are off the shelf and laboratory curiosity transistors (both FETs & BJTs) have been reported to ~70 GHz.

Best regards,

Steven, 49H7SC, KD7YTE

--- In 49megahertz@...m, "KD7JYK, 49H7KR" <kd7jyk@e...>
wrote:
> By impractical crystal sets at microwave frequencies, I mean as a small easily usable radio such as you use for AM reception. Above just a few GHz, nearly microwave receivers are crystal radios, as that is what works at those frequencies. The inductor and capacitor are the waveguide and the detector, a diode is set 1\4 wavelength in from the back of the shorted waveguide. 5.8 GHz electronics have become abundant lately, mostly due to microstripline technology (fancy microwave antenna printed on a circuit board) and microwave monolithic integrated circuits (buncha fancy diodes) I don't have

any of this 5.8 GHz equipment on hand, but I do have equipment from 2.5 to 24 GHz, all "crystal radio" by design and all of which I have connected headphones to to listen to signals, at times using an amplified speaker so others can listen.
>
> Kurt
>
> Rosetta Proving Ground, Nevada
> Hell's Laboratory

696. Re: W7OIL--Mystery Crystal Set

Yahoo group: 49megahertz
Date: 2005-04-30 02:53:31 UTC
From: Steven Coles
Topic: 682 Message: 696

Larry,

In DX and contest crystal sets large, well-designed antennas combined with exquisite radio-frequency and audio-frequency impedance matching provide the selectivity. Double and triple tuning conjoined with variable coupling and 1, 2, or 3 wave traps provides selectivity. To achieve the needed Q the air-variable, ceramic-bushing capacitors are used. Crystal sets aficionados use coil-winding techniques minimizing inter-turn capacitance.

A DX crystal set can have in excess of 7 RF adjustments 2 AF impedance-matching controls, and a potentiometer that controls the ratio of AF headphone load current to DC load current. Only serious crystal-set hobbyists could get these properly tuned. These sets are definitely not a consumer item.

To get an idea of the design of a top-performing crystal set, check the articles: "Diode Charge Pump AM-FM Demodulators," "Analysis of the Tuggle Front End," "Useful Calculations for better understanding the use of The Bogen T-725 Autotransformer," and "Optimal Loading of Audio Transformers for Crystal Set Use" at the first link below. The link is a bit long for Yahoo. You'll probably need to reassemble it in your navigation window. The second link describes custom-built test-bench instruments and techniques for crystal optimization. Some are quite useful for other endeavors.

Such techniques reportedly work well to 6 MHz. By 49 MHz we would need ~120' by ~80' double rhombic antennas (such as early TV DXers used), custom-built ladder line, and a different RF impedance-matching strategy. By 400 MHz the selectivity comes from silver-plated cavity resonators or strip lines.

http://cidtel.inictel.gob.pe/cidtel/contenido/Publicaciones.htm

http://uweb.superlink.net/~bhtongue/

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "larry" <larya@r...> wrote:
> Perhaps I should start, more or less, at the beginning...
> When I was around 10 (I am 56now), I was in grade 5, a grade 8 teacher helped introduce me to crystal sets along with my uncle, a radio amateur, who added more practical training...
> It seemed to me, at the time, that you could add or subtract turns and get different stations. I lived, and still do, in a large

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> With all due respect to this group, I can't see how you can reduce the number of turns on a crystal set to, lets say, 10 turns and use a smaller capacitor and tune in short wave stations... eg above the broadcast band...
> If this were true.. what would be the point of designing more expensive radios.. I do appreciate that the more advanced radios can increase the selectivity and sensitivity of a radio and give speaker volume beyond that of a crystal set... but a single tuned circuit and a diode and an earphone, paralleled with a paralleled capacitor and resitor, can only do so much...
> Larry
> I have also been an amateur radio experimenter and operator since 1964...not that I am braging...
>

697. re:mystry crystal set

Yahoo group: 49megahertz
Date: 2005-04-30 04:16:21 UTC
From: allanegleston
Topic: 697 Message: 697

If I understand what you are saying this breed of xtalset can be used on 49 m.c

698. Re: re:mystry crystal set

Yahoo group: 49megahertz
Date: 2005-04-30 20:22:10 UTC
From: Steven Coles
Topic: 697 Message: 698

Allan,

Sorry. I've given the wrong impression.

An optimized 49-MHz crystal would be a very different breed from a Mystery, Tuggle, Ben-O-Dyne. Some contrasts:

The medium-wave broadcast band (MW BCB 540-1700 kHz) has a 1:3.15 tuning ratio. The favored short-wave segment for crystal sets (1.7-6 MHz) has a 1:3.53 tuning ratio. 49-MHz has a 1:1.0012 tuning ratio.

All wire connected to the antenna post of a MW BCB crystal set is antenna. There's no lead-in losses. A 49-MHz crystal set would have to overcome lead-in losses. The crystal set might be placed at the antenna with audio frequency spanning the distance from crystal set to operating point.

A MW BCB crystal set gets sufficiently high Q (meaning high selectivity and low loss) coils with special winding methods (basket weave, spider web, rook coil, etc.). 49-MHz crystal set coils would more likely use large-diameter, silver-plated wire and minimize supporting material in the coil.

Common LC (coil-capacitor) tuned circuits work well as MW BCB wave traps. 49-MHz might require 3-meter ladder-line stub-type wave traps.

Almost any diode has low enough junction capacitance for MW BCB detection. Post WWII VHF crystal sets used 1N82 and similar low-capacitance germanium types. Post WWII microwave crystal sets used 1N21, 1N23 and similar silicon types. A new VHF design might well use small-signal Schottky-barrier types.

Some crystal receiver areas, such as the audio impedance matching section (a.k.a. select-to-match, STM) would probably retain nearly the same design as in MW BCB crystal sets.

Possible motivation? You can make up for poor aerodynamics with a big engine as in a helicopter. You can make up for an underpowered design with great aerodynamics as in a piloted glider. A design team capable of a compromise between the two has the greatest versatility.

Crystal sets provide a fine platform for working out the effects of different components and topologies.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "allanegleston"
<allanegleston@y...> wrote:
> If I understand what you are saying this breed of xtalset can be
used
> on 49 m.c

699. Re: re:mystry crystal set

Yahoo group: 49megahertz
Date: 2005-05-01 03:26:17 UTC
From: Old Jay
Topic: 697 Message: 699

Can someone post a schematic of a fairly good 49Mhz X-tal set
including antenna requirements?
Thanks
73

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
wrote:
> Allan,
>
> Sorry. I've given the wrong impression.
>
> An optimized 49-MHz crystal would be a very different breed from a
> Mystery, Tuggle, Ben-O-Dyne. Some contrasts:
>
> The medium-wave broadcast band (MW BCB 540-1700 kHz) has a 1:3.15
> tuning ratio. The favored short-wave segment for crystal sets
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> selectivity and low loss) coils with special winding methods
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> weave, spider web, rook coil, etc.). 49-MHz crystal set coils
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> more likely use large-diameter, silver-plated wire and minimize
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> traps. 49-MHz might require 3-meter ladder-line stub-type wave
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> capacitance germanium types. Post WWII microwave crystal sets
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> 1N21, 1N23 and similar silicon types. A new VHF design might well

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> team capable of a compromise between the two has the greatest
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> Crystal sets provide a fine platform for working out the effects
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> Steven
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> <allanegleston@y...> wrote:
> > If I understand what you are saying this breed of xtalset can
be
> used
> > on 49 m.c

700. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-05-01 09:05:22 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 700

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

701. Re: re:mystry crystal set

Yahoo group: 49megahertz
Date: 2005-05-01 16:10:03 UTC
From: Steven Coles
Topic: 697 Message: 701

Old Jay,

A test yesterday showed I'm not at the point where I can "post a schematic of a fairly good 49Mhz X-tal set." In two weeks I might be at the point where I can "post a schematic of a fairly [bad] 49Mhz X-tal set" which might be a starting point. Receiving a toy modulated-oscillator transceiver (AM) across a room would be a starting point. I am thinking of starting with something like a Popular Electronics VHF T-Ear. If I get to the point I can drop off the 2-transistor audio amplifier, I'll be thrilled.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "Old Jay" <ottojay54@y...> wrote:
> Can someone post a schematic of a fairly good 49Mhz X-tal set
> including antenna requirements?
> Thanks
> 73
>

702. Re: re:mystry crystal set

Yahoo group: 49megahertz
Date: 2005-05-03 03:25:28 UTC
From: Old Jay
Topic: 697 Message: 702

Thanks Steve,
that would be a good start. I have had some success with a set for
26 Mhz CB radio and know that the tank circuit and the diode choice
for a 49 is much more critical but it's possible.
I have seen schematics for VHF FM(88-108 mc) slope detectors on the
Web which gives hope for both AM and FM on 49.

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
wrote:
> Old Jay,
>
> A test yesterday showed I'm not at the point where I can "post a
> schematic of a fairly good 49Mhz X-tal set." In two weeks I might
> be at the point where I can "post a schematic of a fairly [bad]
> 49Mhz X-tal set" which might be a starting point. Receiving a toy
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> starting point. I am thinking of starting with something like a
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> the 2-transistor audio amplifier, I'll be thrilled.
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> Best regards,
>
> Steven
>
> --- In 49megahertz@yahoogroups.com, "Old Jay" <ottojay54@y...>
wrote:
> > Can someone post a schematic of a fairly good 49Mhz X-tal set
> > including antenna requirements?
> > Thanks
> > 73
> >

703. Re: re:mystry crystal set

Yahoo group: 49megahertz
Date: 2005-05-06 04:19:22 UTC
From: Steven Coles
Topic: 697 Message: 703

Old Jay,

I put a concept schematic for a 49-MHz diode radio with amplifier in the files section. It's not a working receiver□just something for folks to look over and make suggestions.

The coils described are too long and skinny. They are on frequency but will need optimization. The coupling should be variable to obtain the best trade off between sensitivity and selectivity. I like to put the coils on separate Manhattan boards so the coils can be arranged end-to-end and slid apart. Others like the coils edge-to-edge and movable. Others like to keep the coils a fixed distance apart and rotate one coil's axis between 0 and 90 degrees from the other coil's axis. Each method works well at medium wave. Don't yet know about 49-MHz.

The input is tuned by stretching or squeezing L1. C1 & C2 match impedance and resonate L1. A tapped L1 and variable capacitor could also be used.

The select-to-match section is highly simplified. (See the link in a previous post.) The taps must be switchable because the detector impedance varies with signal strength. I think different builders will want to choose different select-to-match transformers.

The audio amplifier should be whatever the builder likes best□BJTs, FETs, vacuum tubes, ICs, or whatever else. Amplifiers with input impedance of 25 K or higher will probably not need a select-to-match.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "Old Jay" <ottojay54@y...> wrote:
> Thanks Steve,
> that would be a good start. I have had some success with a set
for
> 26 Mhz CB radio and know that the tank circuit and the diode
choice
> for a 49 is much more critical but it's possible.
> I have seen schematics for VHF FM(88-108 mc) slope detectors on
the
> Web which gives hope for both AM and FM on 49.
>
>

704. Re: [49MHz] File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-05-06 18:09:34 UTC
From: larry
Topic: 602 Message: 704

I am curious as to why they say
49.8600MHz - Recommended Hobbyist Operations Freq.
"recommended hobbyist ....."
Also what does ERC stand for?
Larry ve3fxq

----- Original Message -----
From: 49megahertz@yahoogroups.com
To: 49megahertz@yahoogroups.com
Sent: Sunday, May 01, 2005 5:05 AM
Subject: [49MHz] File - Suggested Frequencies

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

Yahoo! Groups Links

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705. Re: [49MHz] File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-05-07 02:07:24 UTC
From: 49MHz Experimental Radio Club
Topic: 602 Message: 705

On May 6, 2005, at 2:09 PM, larry wrote:

> I am curious as to why they say
> 49.8600MHz - Recommended Hobbyist Operations Freq.
> "recommended hobbyist ....."

That's the frequency that we recommend people call CQ on in the off chance that someone might be monitoring it. It doesn't really mean anything, it's just the freq. we tend to hang out on.

> Also what does ERC stand for?

ERC stands for Experimental Radio Club... (49MHz Experimental Radio Club.)

73 de Michael 49H3MA
President, 49MHz ERC

706. Re: [49MHz] File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-05-07 03:58:48 UTC
From: Steven Coles
Topic: 602 Message: 706

Larry,

Here's what the channels look like in Kenmore, WA this evening:

49,830 kHz 6 carriers
49,845 kHz 14 carriers
49,860 kHz 20 carriers□all weak
49,875 kHz 6 carriers□1 strong
49,890 kHz 13 carriers□1 extremely strong

These carriers are seen using a ground plane antenna, an SA602 converter with a 40 MHz local oscillator, a Grundig YB400PE with the BFO (beat-frequency oscillator) turned on, an audio-frequency isolation transformer, a sound card, and Argo free software.

Presumably the 59 carriers are from baby monitors. If any of these carriers were modulated with QRSS (very slow radiotelegraph), I'd be able to copy it with this arrangement. Otherwise, most are out of reach of my demodulation capabilities.

A hand-held transceiver used outdoors would show up due to greater drift than indoor transmitters. Except for the channel with an extremely strong carrier, during my last test I was able to see my own signal 4900 feet away without an isolation transformer. The isolation transformer greatly reduces the power line noise reaching the sound card. Therefore, my present range should be greater.

To sum up: 49.860 MHz is busy, but usable for QRSS. Two (or more) 49 MHz operators running QRSS 3 on a system similar to mine should be able to see and interpret each others signals over a range in excess of one mile.

Many improvements are possible. Simply moving the antenna outdoors, elevating it above ground level, and making it directional would also increase the range.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "larry" <larya@r...> wrote:
> I am curious as to why they say
> 49.8600MHz - Recommended Hobbyist Operations Freq.
> "recommended hobbyist ....."
> Also what does ERC stand for?
> Larry ve3fxq
>

707. Re: re:mystry crystal set

Yahoo group: 49megahertz
Date: 2005-05-07 03:55:23 UTC
From: Old Jay
Topic: 697 Message: 707

Thanks Steve,

This looks like a good start. The coil sizes and number of turns are there and the two-tank circuit should help selectivity although there are few if any transmitters besides the one I'll use. I plan to try it with a long-wire antenna through a small 10 pf variable that I have.
I have used that long-wire to extend the range of a 49er walkie-talkie with a few turns of lead-in around the rubber covered spring antenna. This transmitted a casette recorder while I listened on another walkie talkie out in the back field. The quality of some of those toys can vary greatly with some being patently lousy while others work as well as a decent CB ch. 14 walkie talkie.
Unfortunately building a vfo transmitter for SW and higher is a tricky proposition at best due to excessive drift even under the best of circumstances.

73,

Old Jay

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...>
wrote:
> Old Jay,
>
> I put a concept schematic for a 49-MHz diode radio with amplifier
in
> the files section. It's not a working receiver□just something for
> folks to look over and make suggestions.
>
> The coils described are too long and skinny. They are on
frequency
> but will need optimization. The coupling should be variable to
> obtain the best trade off between sensitivity and selectivity. I
> like to put the coils on separate Manhattan boards so the coils
can
> be arranged end-to-end and slid apart. Others like the coils edge-
> to-edge and movable. Others like to keep the coils a fixed
distance
> apart and rotate one coil's axis between 0 and 90 degrees from the
> other coil's axis. Each method works well at medium wave. Don't
> yet know about 49-MHz.
>
> The input is tuned by stretching or squeezing L1. C1 & C2 match
> impedance and resonate L1. A tapped L1 and variable capacitor

could
> also be used.
>
> The select-to-match section is highly simplified. (See the link
in
> a previous post.) The taps must be switchable because the
detector
> impedance varies with signal strength. I think different builders
> will want to choose different select-to-match transformers.
>
> The audio amplifier should be whatever the builder likes best□
BJTs,
> FETs, vacuum tubes, ICs, or whatever else. Amplifiers with input
> impedance of 25 K or higher will probably not need a select-to-
match.
>
> Best regards,
>
> Steven
>
> --- In 49megahertz@yahoogroups.com, "Old Jay" <ottojay54@y...>
wrote:
> > Thanks Steve,
> > that would be a good start. I have had some success with a set
> for
> > 26 Mhz CB radio and know that the tank circuit and the diode
> choice
> > for a 49 is much more critical but it's possible.
> > I have seen schematics for VHF FM(88-108 mc) slope detectors on
> the
> > Web which gives hope for both AM and FM on 49.
> >
> >

708. Re: [49MHz] File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-05-07 11:53:26 UTC
From: larry
Topic: 602 Message: 708

Ok, know I have a question that you might even be expecting me to ask.... I got my amateur radio licence at 16... in 1964...
With all this interest in radio's why are you fellows getting your amateur radio licence and helping us to open up 6 meters, for example?

This is not a person critical question.. just a curiousity question, on my part...

I have been told the exam is not as hard as it used to be, in an effort to bring in more amateurs, why not make an effort... There are plenty of spectrum space to experiment as an amateur...

Larry ve3fxq

----- Original Message -----
From: Steven Coles
To: 49megahertz@yahoogroups.com
Sent: Friday, May 06, 2005 11:58 PM
Subject: Re: [49MHz] File - Suggested Frequencies

Larry,

Here's what the channels look like in Kenmore, WA this evening:

49,830 kHz 6 carriers
49,845 kHz 14 carriers
49,860 kHz 20 carriers-all weak
49,875 kHz 6 carriers-1 strong
49,890 kHz 13 carriers-1 extremely strong

These carriers are seen using a ground plane antenna, an SA602 converter with a 40 MHz local oscillator, a Grundig YB400PE with the BFO (beat-frequency oscillator) turned on, an audio-frequency isolation transformer, a sound card, and Argo free software.

Presumably the 59 carriers are from baby monitors. If any of these carriers were modulated with QRSS (very slow radiotelegraph), I'd be able to copy it with this arrangement. Otherwise, most are out of reach of my demodulation capabilities.

A hand-held transceiver used outdoors would show up due to greater drift than indoor transmitters. Except for the channel with an extremely strong carrier, during my last test I was able to see my own signal 4900 feet away without an isolation transformer. The isolation transformer greatly reduces the power line noise reaching the sound card. Therefore, my present range should be greater.

To sum up: 49.860 MHz is busy, but usable for QRSS. Two (or more) 49 MHz operators running QRSS 3 on a system similar to mine should

be able to see and interpret each others signals over a range in
excess of one mile.

Many improvements are possible. Simply moving the antenna outdoors,
elevating it above ground level, and making it directional would
also increase the range.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "larry" <larya@r...> wrote:
> I am curious as to why they say
> 49.8600MHz - Recommended Hobbyist Operations Freq.
> "recommended hobbyist ....."
> Also what does ERC stand for?
> Larry ve3fxq
>

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709. Re: File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-05-07 13:29:48 UTC
From: Steven S. Coles
Topic: 602 Message: 709

Larry,

The license was the easy part. I've built the 6-meter converter and a ground plane antenna. I've checked the converter and antenna by taking a 49-MHz handheld for a walk with Argo on very slow mode. I heard the local 50.4 MHz AM group once.

What do you suggest for 6-meter QRP transmitter plans?

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "larry" <larya@r...> wrote:
> Ok, know I have a question that you might even be expecting me to ask.... I got my amateur radio licence at 16... in 1964...
> With all this interest in radio's why are you fellows getting your amateur radio licence and helping us to open up 6 meters, for example?
>
> This is not a person critical question.. just a curiousity question, on my part...
>
> I have been told the exam is not as hard as it used to be, in an effort to bring in more amateurs, why not make an effort... There are plenty of spectrum space to experiment as an amateur...
>
> Larry ve3fxq
>
>

710. dx contact???

Yahoo group: 49megahertz
Date: 2005-05-07 16:48:32 UTC
From: kf4wbj
Topic: 710 Message: 710

has anyone ever made a contact using either

fm or cw of 100 miles or more here on 49 megs?

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711. Re: [49MHz] Re: File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-05-07 16:49:13 UTC
From: larry
Topic: 711 Message: 711

Hi Steven

Thanks for the quick responce....

What drew you to 49 mhz that 6 meters does not have or support?...

Also, before I read you responce I was planning to ask you if you had any 49 mhz transmitter / receiver schematics that I could look at.. you have gotten me interested in finding a relatively easly means of getting to 6 meters... I thought I could convert them to 6 meters.. I have also started the process of converting a cordless phone to being a 6 meter to hf converter...

Larry
----- Original Message -----
From: Steven S. Coles
To: 49megahertz@yahoogroups.com
Sent: Saturday, May 07, 2005 9:29 AM
Subject: [49MHz] Re: File - Suggested Frequencies

Larry,

The license was the easy part. I've built the 6-meter converter and a ground plane antenna. I've checked the converter and antenna by taking a 49-MHz handheld for a walk with Argo on very slow mode. I heard the local 50.4 MHz AM group once.

What do you suggest for 6-meter QRP transmitter plans?

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "larry" <larya@r...> wrote:
> Ok, know I have a question that you might even be expecting me to ask.... I got my amateur radio licence at 16... in 1964...
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>
> This is not a person critical question.. just a curiousity question, on my part...
>
> I have been told the exam is not as hard as it used to be, in an effort to bring in more amateurs, why not make an effort... There are plenty of spectrum space to experiment as an amateur...
>
> Larry ve3fxq

>
>

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712. Re: [49MHz] dx contact???

Yahoo group: 49megahertz
Date: 2005-05-07 16:50:14 UTC
From: larry
Topic: 712 Message: 712

Is that legal?...
Larry

----- Original Message -----
From: kf4wbj
To: 49megahertz@yahoogroups.com
Sent: Saturday, May 07, 2005 12:48 PM
Subject: [49MHz] dx contact???

has anyone ever made a contact using either

fm or cw of 100 miles or more here on 49 megs?

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713. Re: [49MHz] dx contact???

Yahoo group: 49megahertz
Date: 2005-05-07 16:50:43 UTC
From: larry
Topic: 712 Message: 713

Just asking..
Larry ve3fxq

----- Original Message -----
From: kf4wbj
To: 49megahertz@yahoogroups.com
Sent: Saturday, May 07, 2005 12:48 PM
Subject: [49MHz] dx contact???

has anyone ever made a contact using either

fm or cw of 100 miles or more here on 49 megs?

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714. Re: [49MHz] dx contact???

Yahoo group: 49megahertz
Date: 2005-05-07 16:52:44 UTC
From: kf4wbj
Topic: 712 Message: 714

what is the longest (in miles) contact that you have made, or heard?

kf4wbj <kf4wbj@...> wrote:
has anyone ever made a contact using either

fm or cw of 100 miles or more here on 49 megs?

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715. Re: [49MHz] dx contact???

Yahoo group: 49megahertz
Date: 2005-05-07 17:20:22 UTC
From: 49MHz Experimental Radio Club
Topic: 712 Message: 715

>> has anyone ever made a contact using either
>>
>> fm or cw of 100 miles or more here on 49 megs?
> Is that legal?...
> Larry

Yes, assuming both stations are observing the FCC Part 15 rules for 49MHz. They're posted in the Files section of this group if you're interested in all the details.

73 de Michael 49H3MA
President, 49MHz ERC

716. Re: [49MHz] dx contact???

Yahoo group: 49megahertz
Date: 2005-05-07 17:28:21 UTC
From: kf4wbj
Topic: 712 Message: 716

THNX FOR THE INFO

49MHz Experimental Radio Club <49MHzERC@...> wrote:>> has anyone ever made a contact using either
>>
>> fm or cw of 100 miles or more here on 49 megs?
> Is that legal?...
> Larry

Yes, assuming both stations are observing the FCC Part 15 rules for
49MHz. They're posted in the Files section of this group if you're
interested in all the details.

73 de Michael 49H3MA
President, 49MHz ERC

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717. [49MHz] Re: File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-05-07 18:31:01 UTC
From: Steven Coles
Topic: 711 Message: 717

Larry,

I like 49-MHz because:
1. It is a reasonably level playing field. As an apartment dweller I'm best off running QRP.
2. I can build an extra unit and run some experiments with (on?) mildly interested friends who will never get their amateur radio licenses.
3. Receiving preamplifiers, receiving converters, and receiving antennas can be used on both 49 MHz & 6 meters. (For the most part using 6-meter transmitting equipment on 49-MHz is illegal.)
4. A substantial number of technically savvy hams do their more interesting experiments on Part-15.
5. In much of the USA hams using other than off-the-self rigs come to feel a bit like weird, unwanted, orphaned nephews.

These are certainly not overwhelming reasons.

A cordless phone looks like a good choice. A VHF preamplifier doesn't cost a great deal and can be added if desired. The 1990 ARRL Handbook has an example starting on page 31-1. (The 1990 Handbook includes preamplifier plans for most bands through 2304 MHz.) Chances are Far Circuits sells preamplifier boards and plans (separately).

The 1990 ARRL Handbook also shows a 3-watt transmitting converter starting on page 31-13. You could use it for CW by injecting a 28+ MHz keyed signal.

Two toy walkie talkies (US$7.50 a pair at the discount grocery, US$3.99 a pair at Saint Vincent DePaul stores) can be scavenged for a modulator, transistors, and coils for a 6-meter push-pull AM final. The 2SC9018 transistors are rated at Pc = 400 mW each. The current gain-bandwidth product is 700 MHz, so some gain is available at 50 MHz. Amateur radio operators have communicated between California and Hawaii on 500 mW CW.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "larry" <larya@r...> wrote:
> Hi Steven
>
> Thanks for the quick responce....
>
> What drew you to 49 mhz that 6 meters does not have or support?...

>
> Also, before I read you responce I was planning to ask you if you had any 49 mhz transmitter / receiver schematics that I could look at.. you have gotten me interested in finding a relatively easly means of getting to 6 meters... I thought I could convert them to 6 meters.. I have also started the process of converting a cordless phone to being a 6 meter to hf converter...
>
> Larry

718. Re: dx contact???

Yahoo group: 49megahertz
Date: 2005-05-07 18:56:40 UTC
From: Steven Coles
Topic: 710 Message: 718

David,

Not me. . . I suspect the probability of a >chance< contact over such a distance is very remote.

However. . . Part-15 operators have made contacts well beyond 100 miles on other bands.

The probability of a planned or semi-planned contact could be increased if:
1. (Wow! Do I like lists!) We continue exchanging results for the methods we try.
2. We check path attenuation, usable frequencies, and typical distances for the propagation modes.
3. We plot our likely range for each promising mode on a map.
4. We plot other 49 MHz operators on our maps.
5. We exchange email addresses, phone numbers, and, where applicable, ham calls and favored frequencies.
6. We plot 10-meter beacons, 6-meter beacons, and channel 2 & 3 TV transmitters on our maps. Maybe someone here knows about using public safety (police, fire, ambulance) as propagation indicators.
7. We monitor for TV DX on channels 2 or 3, or possibly 10-meter ham beacons.
8. When we hear TV, or 10-meter beacon DX, we start checking low-power 6-meter ham beacons and activity.
9. Knowing when a propagation opening happens, where it is from/to, and who is at the other path end, we have a reasonable chance of making contact.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, kf4wbj <kf4wbj@y...> wrote:
>
> has anyone ever made a contact using either
>
> fm or cw of 100 miles or more here on 49 megs?
>
>
>
> ---------------------------------
> Do you Yahoo!?
> Yahoo! Small Business - Try our new resources site!

719. RE: [49MHz] Re: dx contact???

Yahoo group: 49megahertz
Date: 2005-05-07 20:21:11 UTC
From: Dale Cabell
Topic: 710 Message: 719

I have communicated 5 miles from a hilltop to another hilltop using walkie talkies with a crystal controlled receiver.

49H6DC

Dale Cabell
Irvine, Ca
dalecabell@...
-----Original Message-----
From: 49megahertz@yahoogroups.com [mailto:49megahertz@yahoogroups.com]On Behalf Of Steven Coles
Sent: Saturday, May 07, 2005 10:57 AM
To: 49megahertz@yahoogroups.com
Subject: [49MHz] Re: dx contact???

David,

Not me. . . I suspect the probability of a >chance< contact over such a distance is very remote.

However. . . Part-15 operators have made contacts well beyond 100 miles on other bands.

The probability of a planned or semi-planned contact could be increased if:
1. (Wow! Do I like lists!) We continue exchanging results for the methods we try.
2. We check path attenuation, usable frequencies, and typical distances for the propagation modes.
3. We plot our likely range for each promising mode on a map.
4. We plot other 49 MHz operators on our maps.
5. We exchange email addresses, phone numbers, and, where applicable, ham calls and favored frequencies.
6. We plot 10-meter beacons, 6-meter beacons, and channel 2 & 3 TV transmitters on our maps. Maybe someone here knows about using public safety (police, fire, ambulance) as propagation indicators.
7. We monitor for TV DX on channels 2 or 3, or possibly 10-meter ham beacons.
8. When we hear TV, or 10-meter beacon DX, we start checking low-power 6-meter ham beacons and activity.
9. Knowing when a propagation opening happens, where it is from/to, and who is at the other path end, we have a reasonable chance of making contact.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, kf4wbj <kf4wbj@y...> wrote:
>
> has anyone ever made a contact using either
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> fm or cw of 100 miles or more here on 49 megs?
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720. Re: [49MHz] Re: dx contact???

Yahoo group: 49megahertz
Date: 2005-05-07 20:39:16 UTC
From: kf4wbj
Topic: 710 Message: 720

it seems with this being the time of year that 6 meters opens up that we would be able to make a contact or two with the little toys we have.

ill keep an ear out 73`s

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721. Grid Squares for DX

Yahoo group: 49megahertz
Date: 2005-05-08 00:05:48 UTC
From: Steven Coles
Topic: 721 Message: 721

All,

Knowing an operator's latitude and longitude can be useful for antenna pointing. Many amateur radio operators now use the grid square system.

The first step in finding your grind square is finding your latitude and longitude. You can obtain your latitude and longitude from the FCC Atlas / Community Reference Coordinates Query. See the FCC link below. Inquiring about Kenmore, WA returned

Latitude: N 47 45 26
Longitude: W 122 14 33

Entering the Kenmore, WA latitude and longitude into the ARRL locate/grid calculator produced

CN87vs

Which is my grid square. The meaning of each character in the grid square designation is given at the ARRL grid-squares/determine ling below.

http://www.fcc.gov/mb/audio/bickel/atlas2.html

http://www.arrl.org/locate/grid.html

http://www.arrl.org/tis/info/HTML/grid-squares/determine.html

Best regards,

Steven

722. Re: VHF Crystal Set

Yahoo group: 49megahertz
Date: 2005-05-08 00:23:34 UTC
From: Steven Coles
Topic: 697 Message: 722

All,

After referring the participants here to Ben Tongue's web site, I saw the post below in another Yahoo group.

Best regards,

Steven

> Hi Folks,
>
> I have moved my Website: "Crystal Radio Set Systems: Design,
> Measurement and Improvement", and all of its Articles, to

http://www.bentongue.com

>. The old URL now delivers a page that shows the new URL
> as the one to use.
>
> Best regards,
>
> Ben

723. 49MHz Receiver Wanted

Yahoo group: 49megahertz
Date: 2005-05-08 00:25:52 UTC
From: alex4762002
Topic: 723 Message: 723

Could anyone direct me as to where I could buy a radio that picks up signals on 49MHz FM? I have a pair of wireless headphones and would like to get the transmitter for those to be able to transmit to a radio of some sort so I can listen to music from my computer anywhere in the house.

I'm also open to modifying an existing radio, however, I would need detailed step-by-step instructions.

Thanks in advance,
Alex

724. 50-MHz Beacons

Yahoo group: 49megahertz
Date: 2005-05-08 00:57:29 UTC
From: Steven Coles
Topic: 724 Message: 724

All,

Beacon hunting, especially 50 MHz beacon hunting, provides a way to test and tune our antennas, receivers, and software (where used).

Beacon hunting also alerts us to changing 50-MHz propagation conditions.

For instance a strong signal on 50,069 kHz from W7BAS would be a good indicator from my signal making it through. (Unfortunately, W7BAS has been off the air during many of my checks.)

Some beacon lists can be found at

http://www.keele.ac.uk/depts/por/50.htm

http://www.keele.ac.uk/depts/por/28.htm

http://www.qsl.net/wj5o/bcn.htm

Best regards,

Steven

725. Re: [49MHz] Re: dx contact???

Yahoo group: 49megahertz
Date: 2005-05-08 17:03:49 UTC
From: KD7JYK, 49H7KR
Topic: 710 Message: 725

I regularly get about 400 miles from 4.8 mW at 13 MHz, far less than the 100mW we use on 49 MHz.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

726. [49MHz] Re: dx contact???

Yahoo group: 49megahertz
Date: 2005-05-08 17:24:58 UTC
From: Steven Coles
Topic: 710 Message: 726

Kurt,

What is the propagation mode?

I'm impressed at seeing a 130 mile distant 1.5-watt 1999.425 station (W7OIL) with an indoor mini-octoloop on my end (not even tuned for the right frequency). Remembering 25-watt 6-meter stations from 600 miles away wiping out 10-mile distant stations during sporadic-E, I think 49-MHz DX must be doable. Some 6-meter propagation beacon stations run 300-500 mW.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "KD7JYK, 49H7KR" <kd7jyk@e...> wrote:
> I regularly get about 400 miles from 4.8 mW at 13 MHz, far less than the 100mW we use on 49 MHz.
>
> Kurt
>
> Rosetta Proving Ground, Nevada
> Hell's Laboratory

727. Re: [49MHz] Re: dx contact???

Yahoo group: 49megahertz
Date: 2005-05-08 17:39:12 UTC
From: KD7JYK, 49H7KR
Topic: 710 Message: 727

I used QRSS 10 with a 10 WPM CW ID every other transmission. Reception was off the south tip of an inverted V, even more impressive. My beacon has been off the air since 21 December due to ice in the transmitter housing. I used a K1EL keyer in the beacon.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

728. Re: [49MHz] 49MHz Receiver Wanted

Yahoo group: 49megahertz
Date: 2005-05-08 19:25:36 UTC
From: david brown
Topic: 728 Message: 728

baby monitors are the quickest, simplest way to do it.
i rebroadcast scanner audio from inside to the belt
clip receiver when im in the garage. theyre a garage
sale item cheap

David R Brown

_____
Do you Yahoo!?
Yahoo! Mail - Helps protect you from nasty viruses.
http://promotions.yahoo.com/new_mail

729. Re: [49MHz] Re: dx contact???

Yahoo group: 49megahertz
Date: 2005-05-08 20:42:18 UTC
From: kf4wbj
Topic: 710 Message: 729

is that cw?

"KD7JYK, 49H7KR" <kd7jyk@...> wrote:I regularly get about 400 miles from 4.8 mW at 13 MHz, far less than the 100mW we use on 49 MHz.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/49megahertz/

To unsubscribe from this group, send an email to:
49megahertz-unsubscribe@yahoogroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

Do you Yahoo!?
Make Yahoo! your home page

730. re: 49 m.h.z. reciver wanted

Yahoo group: 49megahertz
Date: 2005-05-08 20:43:45 UTC
From: allanegleston
Topic: 730 Message: 730

Doesnt radio shack make a porpose built reciver for 49.83 m.c.?

731. Re: [49MHz] Re: dx contact???

Yahoo group: 49megahertz
Date: 2005-05-08 21:52:21 UTC
From: KD7JYK, 49H7KR
Topic: 710 Message: 731

is that cw?

I regularly get about 400 miles from 4.8 mW at 13 MHz, far less than the 100mW we use on 49 MHz.

Yes, CW.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

732. [49MHz] Re: dx contact???

Yahoo group: 49megahertz
Date: 2005-05-11 19:20:40 UTC
From: avalidid
Topic: 710 Message: 732

quoting:
> Kurt,
>
> What is the propagation mode?
>
> I'm impressed at seeing a 130 mile distant 1.5-watt 1999.425
station
> (W7OIL) with an indoor mini-octoloop on my end (not even tuned for
> the right frequency). Remembering 25-watt 6-meter stations from
600
> miles away wiping out 10-mile distant stations during sporadic-E, I
> think 49-MHz DX must be doable. Some 6-meter propagation beacon
> stations run 300-500 mW.
>
> Best regards,
>
> Steven

You can talk half way around the world on a 4 watt stock cb. A 50mw 49mhz radio will probably go half way around the country. This is hard to do, though. We'd be talking about sun spot count nearly 300, though it has happened before. I've heard stories of people talking skip on their CB walkie talkies. Myself during the last big sunspt activity, my scanner was filling up with skip signals up to about 70mhz. Yes, even activity on 49mhz.

733. [49MHz] Re: dx contact???

Yahoo group: 49megahertz
Date: 2005-05-11 19:44:28 UTC
From: Steven Coles
Topic: 710 Message: 733

Kurt,

That sounds like sporadic E layer and, maybe, some F-layer propagation. If those work, meteor scatter should work, too. During a decent annual meteor shower a good meteor can open a path for 20 seconds or more. That might happen every 5 or 10 minutes. That's not great for rag chews, but interesting just to prove it can be done.

Best regards,

Steven

> You can talk half way around the world on a 4 watt stock cb. A 50mw
> 49mhz radio will probably go half way around the country. This is
> hard to do, though. We'd be talking about sun spot count nearly 300,
> though it has happened before. I've heard stories of people talking
> skip on their CB walkie talkies. Myself during the last big sunspt
> activity, my scanner was filling up with skip signals up to about
> 70mhz. Yes, even activity on 49mhz.

734. Re: [49MHz] Re: dx contact???

Yahoo group: 49megahertz
Date: 2005-05-11 20:00:03 UTC
From: kf4wbj
Topic: 710 Message: 734

got a hold of a toy walkie-talkie a week ago.
i go up to the top floor of a local bank,maybe 150 to 200 feet high.
havent made a contact yet though, but i can hear all kinds of baby monitors and carriers on every freq.

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

735. Re: [49MHz] Re: dx contact???

Yahoo group: 49megahertz
Date: 2005-05-11 20:14:27 UTC
From: KD7JYK, 49H7KR
Topic: 710 Message: 735

Someone else was talking about that, not me (I was quoted), I am quite familiar with skip, ducting etc, having talked to Japan with a modified CB walkie talkie running 75 - 100mW at a local radio club in 1987. Last time "skip" was in, I listened to 27 and 49 MHz comms on the east coast, no problem.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

736. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-06-01 08:43:58 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 736

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

738. Major Armstrong 42.8 MHz & VHF Contest Questions?

Yahoo group: 49megahertz
Date: 2005-06-11 02:39:01 UTC
From: Steven Coles
Topic: 738 Message: 738

All,

Does anybody here plan to listen for the 42.8 MHz 70-year Major Armstrong commemorative broadcast from near the Hudson River on Saturday, June 11, at noon (EDT)?

Also, does anybody plan to follow the 6-meter activity and propagation during this weekend's contest?

Best regards,

Steven

739. Re: Major Armstrong 42.8 MHz & VHF Contest Questions?

Yahoo group: 49megahertz
Date: 2005-06-14 12:17:37 UTC
From: Jerome
Topic: 738 Message: 739

I participated in the 6-meter activity this weekend. I don't have my log in front of me right now, but I worked about 9 stations (7 grid squares) from EM28 on Saturday. All were to the south (Texas) except for one in South Carolina.

-Jerome

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...> wrote:
> Also, does anybody plan to follow the 6-meter activity and propagation
> during this weekend's contest?

740. re: dx contact

Yahoo group: 49megahertz
Date: 2005-06-18 16:46:46 UTC
From: allanegleston
Topic: 740 Message: 740

How does one reconfigure a 49 m.h.z cordless phone for 6 m operations
or for h.f operations?
73s Allan Egleston

741. Re: [49MHz] re: dx contact

Yahoo group: 49megahertz
Date: 2005-06-19 23:29:08 UTC
From: larry
Topic: 741 Message: 741

Do you have an amateur radio licence?
Larry

----- Original Message -----
From: "allanegleston" <allanegleston@...>
To: <49megahertz@yahoogroups.com>
Sent: Saturday, June 18, 2005 12:46 PM
Subject: [49MHz] re: dx contact

> How does one reconfigure a 49 m.h.z cordless phone for 6 m operations
> or for h.f operations?
> 73s Allan Egleston
>
>
>
>
>
> Yahoo! Groups Links
>
>
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>
>
>
>

742. re: dx contact

Yahoo group: 49megahertz
Date: 2005-06-21 04:54:17 UTC
From: allanegleston
Topic: 740 Message: 742

HI Larry. Yes I do hold a codeless tech license of kf6uxj.
Hope that helps .
73's de Allan

743. Re: [49MHz] re: dx contact

Yahoo group: 49megahertz
Date: 2005-06-21 14:38:57 UTC
From: larry
Topic: 741 Message: 743

ok, the fact that you were asking about getting on 6 meters but not showing a callsign had me concerned..
Larry ve3fxq

----- Original Message -----
From: allanegleston
To: 49megahertz@yahoogroups.com
Sent: Tuesday, June 21, 2005 12:54 AM
Subject: [49MHz] re: dx contact

HI Larry. Yes I do hold a codeless tech license of kf6uxj.
Hope that helps .
73's de Allan

Yahoo! Groups Links

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http://groups.yahoo.com/group/49megahertz/

b.. To unsubscribe from this group, send an email to:
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744. Re: [49MHz] re: dx contact

Yahoo group: 49megahertz
Date: 2005-06-21 16:29:58 UTC
From: KD7JYK, 49H7KR
Topic: 741 Message: 744

"ok, the fact that you were asking about getting on 6 meters but not showing a callsign had me concerned.."

Maybe he wanted to monitor...

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

745. Re: [49MHz] re: dx contact

Yahoo group: 49megahertz
Date: 2005-06-21 18:14:31 UTC
From: larry
Topic: 741 Message: 745

> How does one reconfigure a 49 m.h.z cordless phone for 6 m operations
> or for h.f operations?
> 73s Allan Egleston

I usually figure that when someone want to just listen they would say.. ' I want to listen'... when they want to listen and transmit they usually say..'for hf operations'...

Larry

----- Original Message -----
From: KD7JYK, 49H7KR
To: 49megahertz@yahoogroups.com
Sent: Tuesday, June 21, 2005 12:29 PM
Subject: Re: [49MHz] re: dx contact

"ok, the fact that you were asking about getting on 6 meters but not showing a callsign had me concerned.."

Maybe he wanted to monitor...

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

Yahoo! Groups Links

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b.. To unsubscribe from this group, send an email to:
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746. 49 MHz DX Information

Yahoo group: 49megahertz
Date: 2005-06-22 03:17:34 UTC
From: Steven Coles
Topic: 746 Message: 746

All,

The web site below plots 6-meter (50 MHz) ham contacts over 1, 2, or 24 hours depending on which page-top radio button you click. You can also select midpoint plots helpful for estimating openings over unused paths.

A button in the upper right allows you to select different bands. After selecting a band, you must select a time period. Selecting a time period updates the sceen.

The DXers Info site can be found at

http://maps.dxers.info/

Best regards,

Steven

747. Re: [49MHz] re: dx contact

Yahoo group: 49megahertz
Date: 2005-06-22 13:29:15 UTC
From: kf4wbj
Topic: 741 Message: 747

ive been a ham since 1981

larry <larya@...> wrote:
Do you have an amateur radio licence?
Larry

----- Original Message -----
From: "allanegleston" <allanegleston@...>
To: <49megahertz@yahoogroups.com>
Sent: Saturday, June 18, 2005 12:46 PM
Subject: [49MHz] re: dx contact

> How does one reconfigure a 49 m.h.z cordless phone for 6 m operations
> or for h.f operations?
> 73s Allan Egleston
>
>
>
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>
> Yahoo! Groups Links
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Yahoo! Groups Links

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Yahoo! Sports
Rekindle the Rivalries. Sign up for Fantasy Football

748. Re: [49MHz] re: dx contact

Yahoo group: 49megahertz
Date: 2005-06-22 15:15:02 UTC
From: larry
Topic: 741 Message: 748

> How does one reconfigure a 49 m.h.z cordless phone for 6 m operations
> or for h.f operations?
> 73s Allan Egleston

I was wondering about the same thing... is seems, because the power level is soo low that using the same antenna is not that difficult... however the problem, I would expect, would be getting the appropriate crystals.. added to that, hams don't seem to use crystals anymore..with most radios being vco's, we can go just about anywhere and don't seem to be as dependant on callsign frequencies as we used too..

Larry ve3fxq, since 1964.

----- Original Message -----
From: kf4wbj
To: 49megahertz@yahoogroups.com
Sent: Wednesday, June 22, 2005 9:29 AM
Subject: Re: [49MHz] re: dx contact

ive been a ham since 1981

larry <larya@...> wrote:
Do you have an amateur radio licence?
Larry

----- Original Message -----
From: "allanegleston" <allanegleston@...>
To: <49megahertz@yahoogroups.com>
Sent: Saturday, June 18, 2005 12:46 PM
Subject: [49MHz] re: dx contact

> How does one reconfigure a 49 m.h.z cordless phone for 6 m operations
> or for h.f operations?
> 73s Allan Egleston
>
>
>
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>
> Yahoo! Groups Links
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Yahoo! Sports
Rekindle the Rivalries. Sign up for Fantasy Football

Yahoo! Groups Links

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b.. To unsubscribe from this group, send an email to:
49megahertz-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

749. Re: [49MHz] re: dx contact

Yahoo group: 49megahertz
Date: 2005-06-22 19:06:10 UTC
From: Steven Coles
Topic: 741 Message: 749

Allan, Larry, & Kurt,

Like cell phones and many FRS transceivers, many 49 MHz cordless phones scan for an available channel. Cordless scanning is essential in apartment buildings.

Two other Yahoo groups (and probably more) have investigated reprogramming consumer electronics frequency synthesizers to operate in amateur radio bands. I have not tried their methods (mostly in files sections). The groups I know of can be found at

http://groups.yahoo.com/group/cellphoneconversions/

and

http://groups.yahoo.com/group/radioexperimenter/

Happy communicating,

Steven

--- In 49megahertz@yahoogroups.com, "larry" <larya@r...> wrote:
> > How does one reconfigure a 49 m.h.z cordless phone for 6 m operations
> > or for h.f operations?
> > 73s Allan Egleston
>
>

751. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-07-01 09:10:14 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 751

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

753. Re: [49MHz] File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-07-06 11:06:38 UTC
From: larry
Topic: 602 Message: 753

greetings
Would someone tell me who, or what, is the ERC? is it the equivelent to your fcc or what.... just asking...
Larry

----- Original Message -----
From: 49megahertz@yahoogroups.com
To: 49megahertz@yahoogroups.com
Sent: Friday, July 01, 2005 5:10 AM
Subject: [49MHz] File - Suggested Frequencies

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

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---

754. Re: [49MHz] File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-07-06 17:39:57 UTC
From: 49MHz Experimental Radio Club
Topic: 602 Message: 754

On Jul 6, 2005, at 7:06 AM, larry wrote:

> Would someone tell me who, or what, is the ERC? is it the
> equivelent to your fcc or what.... just asking...

Nope, the ERC is just the 49MHz Experimental Radio Club.

73 de Michael 49H3MA
President, 49MHz Experimental Radio Club

755. Re: ERC

Yahoo group: 49megahertz
Date: 2005-07-06 13:33:24 UTC
From: Steven Coles
Topic: 602 Message: 755

Larry,

I've been assuming it means the Experimental Radio Club of Benson, Arizona. If it's anything more authoritative than that, it would be good to know.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "larry" <larya@r...> wrote:
> greetings
> Would someone tell me who, or what, is the ERC? is it the equivelent to your fcc or what.... just asking...
> Larry
>
>

756. Synchronous AM Demodulators Group

Yahoo group: 49megahertz
Date: 2005-07-10 03:39:33 UTC
From: Steven Coles
Topic: 756 Message: 756

All,

Low-power communications users find synchronous demodulators useful because of their superior ability (compared to envelope detectors) to separate useful signal from noise.

Please find below a shortened version of Tom Holden's invitation to join his synchronous AM demodulators Group.

Best regards,

Steven

Hello,

Information on and discussion of synchronous AM demodulators is scattered widely. There are sporadic discussions on a couple of Usenet news groups but they are restricted to text messages and it's hard to find the wheat in the chaff. This new group can accommodate schematics and pictures and provides a filtered view focused on this one subject. In time, I hope that its collected files and discussions will make a strong starting or reference point for all with an interest in Sync AM.

Please join if you have ever designed or experimented with sync AM demodulators or intend to start. Visit the web site at http://groups.yahoo.com/group/Synch_AM/ to subscribe and then check out the Links section for some answers to What, Why and How. Your designs, experiences and participation in the on-topic discussions to ensue will be welcomed.

Tom

757. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-08-01 08:40:04 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 757

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

759. Meteor Trail Reflections?

Yahoo group: 49megahertz
Date: 2005-08-11 08:46:00 UTC
From: Steven Coles
Topic: 759 Message: 759

All,

I'm forwarding a post to NWWSVHF from K7XC. See below.

Meteors give you 10-20 second bursts of communications, usually with several minutes of intergalactic noise between. The signals can be strong over a range of 600-1200 miles.

Stations automatically transmit a ~10-second repeating message (like your club membership number). Radiotelegraph works best with suppressed carrier second. 1:00 or 2:00 AM to about 10:00 AM gives the most and hottest hits. A schedule might be station A transmits 1:30-1:45 AM, station B 1:45 AM to 2:00 AM, station C 2:00 AM to 2:15 AM and back to station A.

With good receiving antennas, the method is worth a go on Part-15 frequencies between 25 and 500 MHz.

Has anybody tried this or have ham experience with it?

Hi Gang,

Well its that time again... time to play the "Persieds shuffle"!

You know... Stay up real late, shuffle off to bed, sleep in,
Get up and make a few skeds online, shuffle off to bed for
a long cat nap, then shuffle back to rig and the long duty
of chasing those infernal rocks till your eyes wont stay
open only to shuffle off to bed again....

I have signed up to participate in this insanity for the next
FOUR AND 1/2 DAYS! (Weds Night - Sunday Morning)

So.... Time to fill in your dance card and do the 222 Mhz MS
Shuffle!

Station Data Follows:
K7XC, DM09ol, IC-706mkIIg/Xvtr,
120W Brick (W/fan), 7WL M2 Yagi at 39',
WSJT (441a and JT65), SSB, & CW Modes.

Will be QRV on the Ping Jockey, 222 Prop Logger,
and the MS Skeds Prop Logger Web Pages As Well.

Whos up for some skeds on 222 Mhz?????

73s de Tim - K7XC - DM09ol... sk

Time for that "old Persieds Shuffle"...

_____
Official Reflector of the Pacific Northwest VHF Society.
www.pnwvhfs.org

NWWSVHF mailing list
NWWSVHF@...
http://mailman.qth.net/mailman/listinfo/nwwsvhf
Archives are at http://mailman.qth.net/pipermail/nwwsvhf/

760. 49 m.h.z. baby monitors

Yahoo group: 49megahertz
Date: 2005-08-20 18:14:32 UTC
From: allanegleston
Topic: 760 Message: 760

where can i get a 49 m.h.z baby monitor?
Does radio shack still make them?
Thanks in advance. Allan kf6uxj

761. Re: 49 m.h.z. baby monitors

Yahoo group: 49megahertz
Date: 2005-08-20 21:14:46 UTC
From: Steven Coles
Topic: 760 Message: 761

Allan,

For the sake of less experienced shy lurkers here I'm including details you already know.

I have not seen baby monitors at RS for some time. However, when making the rounds of 4 value stores, on the average I see two 49-MHz pairs for sale. (By value stores I mean Value Village, Goodwill, Saint Vincent DePaul, and similar stores.) In the Pacific Northwest the price ranges from $2.49 to $5.99 with most at the lower prices. Most are Gerry, Fisher-Price, or Safety 1st models with RS being rare.

Regardless of the brand, most have similar circuits using NBFM (narrow-band FM) modulation with both the transmitter and receiver crystal controlled with a built-in choice of two of the 5 channels recommended on the monthly notice here. The receivers use one of the MC336X (usually an MC3361) NBFM IF (intermediate frequency) amplifier ICs with a ceramic filter. Likewise, the audio amplifiers are standard consumer ICs. Therefore, the receiver schematics follow standard application-note schematics fairly closely.

I have not looked closely at the transmitters.

For the MC3361 data sheet see

http://www.qsl.net/n9zia/spec/mc3361.pdf

http://www.ajpotts.fsnet.co.uk/ics.html

http://www.futurlec.com/Others/MC3361.shtml

http://www.radiomods.co.nz/integratedcircuits/componentspage.html

For the MC3371 data sheet see

http://www.iweil.com/devices/recievers/mc3371.pdf

For applications to radio control see

http://www.rcgroups.com/forums/archive/index.php/

Happy communicating,

Steven

--- In 49megahertz@yahoogroups.com, "allanegleston"
<allanegleston@y...> wrote:
> where can i get a 49 m.h.z baby monitor?

> Does radio shack still make them?
> Thanks in advance. Allan kf6uxj

762. Re: [49MHz] 49 m.h.z. baby monitors

Yahoo group: 49megahertz
Date: 2005-08-21 03:54:41 UTC
From: KD7JYK, 49H7KR
Topic: 762 Message: 762

Thrift shops are over loaded with the things, usually about a buck a set, at times as high as three. You'll find so many you'll get sick of them.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory
----- Original Message -----
From: allanegleston
To: 49megahertz@yahoogroups.com
Sent: Saturday, August 20, 2005 11:14
Subject: [49MHz] 49 m.h.z. baby monitors

where can i get a 49 m.h.z baby monitor?
Does radio shack still make them?
Thanks in advance. Allan kf6uxj

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---

763. Re: [49MHz] 49 m.h.z. baby monitors

Yahoo group: 49megahertz
Date: 2005-08-21 14:38:49 UTC
From: larry
Topic: 762 Message: 763

Hi Allan and other hams...

I realise this message is going to sound like a flame.. but it is not intended to be one.. My question.. why are so many amateurs playing around with 49 mhz when you have so many negative rules to follow.. power level etc...
Why not go to 6 meters.. lets say 52.525 and use the ham band to experiment with.. on the ham bands your fcc and my ic is encouraging you to experiment....
49 mhz has been set aside for low power short distance communications to reduce the need for wired communications....
Again not intended as a critisizm just extreme curosity.

Larry ve3fxq

p.s. to take that one further, the amateur exam is now so much simpler that most of you may already have the necessary technical qualitications....

----- Original Message -----
From: allanegleston
To: 49megahertz@yahoogroups.com
Sent: Saturday, August 20, 2005 2:14 PM
Subject: [49MHz] 49 m.h.z. baby monitors

where can i get a 49 m.h.z baby monitor?
Does radio shack still make them?
Thanks in advance. Allan kf6uxj

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Hobby supply Ham radio sales

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b.. To unsubscribe from this group, send an email to:
49megahertz-unsubscribe@yahoogroups.com

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---

764. RE: [49MHz] 49 m.h.z. baby monitors

Yahoo group: 49megahertz
Date: 2005-08-21 14:43:12 UTC
From: soundmanjim
Topic: 762 Message: 764

for the fun of it?

Jim Henderson, Sound Engineer, The Fat Surfer Music Venue.
www.thefatsurfer.com
Dont forget! 8th Oct Jims Jamfest (surfer), 17th Sept fsad#3 alldayer at the civic hall, Grays.
Fairport (acoustic)Convention tickets available for the gig on 15th Novemeber, @ ?15 ea.
-----Original Message-----
From: 49megahertz@yahoogroups.com [mailto:49megahertz@yahoogroups.com]On Behalf Of larry
Sent: 21 August 2005 15:39
To: 49megahertz@yahoogroups.com
Subject: Re: [49MHz] 49 m.h.z. baby monitors

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765. Re: [49MHz] 49 m.h.z. baby monitors

Yahoo group: 49megahertz
Date: 2005-08-21 14:54:21 UTC
From: larry
Topic: 762 Message: 765

But would you have more 'fun of it' on 6 meters?.
Larry ve3fxq

----- Original Message -----
From: soundmanjim
To: 49megahertz@yahoogroups.com
Sent: Sunday, August 21, 2005 10:43 AM
Subject: RE: [49MHz] 49 m.h.z. baby monitors

for the fun of it?

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---

766. RE: [49MHz] 49 m.h.z. baby monitors

Yahoo group: 49megahertz
Date: 2005-08-21 15:35:58 UTC
From: soundmanjim
Topic: 762 Message: 766

Quite possibly.
There's just something more 'out there' using an obscure frequency such as 49. I had many years of fun building and experimenting with 49Mhz transmitters, receivers and antennas. Sure, i could go out to my local emporium and buy and nice shiny black box with all the bells and whistles, crank up the power into a giant 10 element beam on 50Mhz and call CQ; but i get more of a kick out of playing around with little transmitters, converting stuff for the 49 and marvelling at the distances achieved on such low power devices.
The other thing, is that its not a HAM BAND as such. I have spent the past 20 years as a licensed class A amateur in the UK, and found i was getting more excited about transmitting on 49mhz (and 446Mhz for that matter) than ever using 40mteres or 2 metres.
I think what it boils down to is the attitudes of the operators; i was bitterly dissapointed with the attitude of some radio operators on the hf and vhf bands when i first passed my test. Yes, you guessed, i was n avid cb'er.. but i wanted to be legal so i did the test.
What a let down it was... don't get me wrong, i still thoroughly enjoy using HF and VHF as a radio amateur, but i like the relaxed more casual approach to 49 and 446. Ok, you might hear the odd child swearing into a walkie talkie to his/her friends or simply hear a baby crying itself to sleep on a baby monitor occasionally; but imagine hearing some other 49'er experimenting with a device he had built on the other side of the world, on a band not usually frequented by 'hard core' hams.
Brilliant.
Anyway, i see where you are coming from in your statement but its 'just a feeling' i have when using a non amateur yet legal frequency. Almost like a new direction, a new horizon. I cant really put my finger on it.
I dont think your message is a flame so dont worry; i really do see your point; its just somewhere else to go other than amateur bands. We can access these frequencies legally, so why not use them? Who knows if we use them enough PERHAPS they might include them into the 50mhz allocation.
Its just MORE FUN and you dont feel under so much pressure to carry out 'correct radio procedure' which, of course, no one nowadays seems to give a hoot about.
Hey, perhaps its just the number 49 that i like!!! 50 is too much an even number H.I.!!!

anyway, anyone else got any views on this? I think this is a good topic. all the best

Jim Henderson, G0KKH, UK

ps i have FINALLY managed to find an old G.E. cb/am/49mhz base transceiver i was looking for, model number 3-5940. Its only AM TX on 49.860Mhz but its got a beautiful crystal controlled receiver in it, and am shortly going to

add a switch an a few extra crystals cut for the 5 most used frequencies. I MAY even cut one for 50Mhz!!!!!!! ;-)
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-----Original Message-----
From: 49megahertz@yahoogroups.com [mailto:49megahertz@yahoogroups.com]On Behalf Of larry
Sent: 21 August 2005 15:54
To: 49megahertz@yahoogroups.com
Subject: Re: [49MHz] 49 m.h.z. baby monitors

But would you have more 'fun of it' on 6 meters?.
Larry ve3fxq

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767. Re: [49MHz] 49 m.h.z. baby monitors

Yahoo group: 49megahertz
Date: 2005-08-21 16:54:08 UTC
From: Steven Coles
Topic: 762 Message: 767

More Fun on Part-15 or Part-97
Larry,

A couple years back I was having fun with Part-15 and decided to get back into amateur radio after a ~35 year lapse. Was a bit disappointed the exam consisted mostly of rules & regulations rather than the old technical exam.

After getting my call, I posted to an "Elmers" group asking about the currently popular plans for homebrew VHF QRP equipment. They replied telling me to buy an ICOM of some model or a Yaesu of some model.

I couldn't see how my question had been misunderstood. Thinking they assumed I had no background, I politely explained I'm a circuit designer (sometimes RF & variously engineering technician, engineering associate, and engineer) of some experience and that I'd gotten back into hamming out of my love of building. No reply. OK. That must be the wrong group for me.

Searching a number of club web pages I did not find any clearly right group for me. The closest I found were a couple groups devoted to restoring vacuum-tube equipment.

OK. I'll listen on the old Drake 2B and build up a 6-meter and 2-meter converter and find my sort of conversations. Considerable listening produced zilch point zip. Most troubling, nobody was engaging in post-weak-signal-net technical discussions. I don't mean hardly anybody. I mean *nobody.*

What I did hear was a lot of people complaining about this situation on the MOPA and Regen Rx Yahoo groups. Certainly some regional homebrew QRP clubs have great fun on the air. But clearly disappointment in ham radio spread across much of the USA.

I've hardly seen an HF or VHF receiver or transmitter project in nearly 2 years of subscribing to QST. Waz up? It doesn't take an economic genius to see which advertisers buy the multi-page spreads in QST. QST doesn't stay in print by biting the hand that feeds it. Want a construction project? Fine. We'll print a microwave switching matrix that will use the Kenmore, ICOM, or Yaesu tunable IF you buy to support our advertisers. It makes perfect sense.

But after a couple decades of the QST viewpoint 97% of USA hams uncritically accept the QST viewpoint. If you don't have $2000 into your core station with $1500 in accessories, get offa the bands we paid for.

A few weeks ago someone on a reflector for this area mentioned a licensed ham friend using 50 MHz for radio control. That's perfectly legal in the USA. But somebody shot back asking to discourage the operator from using his "toys" on our (almost entirely unused) band. A local net control (this personage also having an ARRL title) backed up the desire to discourage hams from using the R/C privileges on their licenses. In spite of some of his net members supporting all legal variants of hamming, the net control has not backed down.

I mentioned this to 2 of my ham R/C friends. One said he does not use the ham R/C privileges for fear one of his fellow hams will take exception and put a $3000 plus 3000 labor hour model into the ground. The other "flies below the radar." The first operator will very likely drop out of amateur radio when his license expires.

(That same net control went off the air with a transmitter failure and took more than a month to get back on. I can't think of an occasion when an old-time junk-box builder took more than 2 hours to fix a transmitter failure. Which do I want on my team in a communications emergency?)

So far my main reason to renew is to have the "been there, tried that" call sign after my name.

In the last 2 years the most fun I've had with a transmitter went as follows. I built a 6-meter converter (yes, from QST). I fed the converter into my receiver and the receiver's output into my sound card. I took a $15-- toy walkie-talkie out 10 times its 500 foot rated range. I keyed it veryyyyy slowly. When I returned home my keying was displayed on my computer's waterfall display. Receiving a transmitter at 10 times its rated range is magic.

Paying $4500□ to play know-nothing super CBer ain't magic.

I'd still love for someone to tell me, "Homebrew VHF QRP is now called `ijk skidoo.' Search on that and you'll find 200 like-minded hams in the Puget Sound Basin."

In the mean time Part-15 has real attractions.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "larry" <larya@r...> wrote:
> But would you have more 'fun of it' on 6 meters?.
> Larry ve3fxq
>
> ----- Original Message -----
> From: soundmanjim
> To: 49megahertz@yahoogroups.com
> Sent: Sunday, August 21, 2005 10:43 AM
> Subject: RE: [49MHz] 49 m.h.z. baby monitors

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768. RE: [49MHz] 49 m.h.z. baby monitors

Yahoo group: 49megahertz
Date: 2005-08-22 00:51:21 UTC
From: Peter Abraham - KB7INO
Topic: 762 Message: 768

HI!

--- soundmanjim <soundmanjim@...> wrote:
> ...[snip]...
> anyway, anyone else got any views on this?
> ...[snip]...

I am not ACTIVE on 49 MHz, but do play around on it about every 6 months or so. But I have a few reasons (not in any specific order).

1 - there are very few people on 49 MHz that use it for 2 way. So to me it seems like I am using "secret" frequency... just kinda cool I guess.

2 - When I was a kid, in the mid to late 80's, the 49 MHz HTs were the only non-CB HTs a person could get unlicensed (at least as far as I knew) and they were ~$30+ per HT. Now they are so much cheaper and the work better (not the AM ones but the FM ones). It just feels nice to use 49 MHz. I used to drool over them as a kid, and now I can use them for much cheaper.

3 - I love reading about Radio History, like in the early 1900s. I remember rading something/somewhere that a ham had a 20 mW transmitter! About how the range and what to expect was totally new! If I remeber correctly, when the FCC gave hams the HF bands, the FCC did not know about HF-propagation and hence did not know that we could talk cross country. I feel like it was an exciting time in radio. Well to me , 49 MHz is kinda the same. Yes we have 6 meters (which I do use) but 49 MHZ, is kinda new, given the antenna and power limitations. It gives me the feel of early 1900 radio where i just might learn something new!

-Peter
KB7INO

P.S. About point number 2, a few years ago, Radio Shack had bug-FRSs on clearance for $3 a piece! I bought a Beetle and a Lady-Bug for my kids. I was amazed that these $3 radios were going over a mile. I told my kids :
~You have it good! When I was a kid, radios were 10x

more expensive and we were happy if they went from the front of the house to the back of the house.

P.P.S. About point number 3, the longest distance I went from a base transmitter to a handheld HT is 0.55 miles. The transmitter was on a hill, the HT was the Radio Shack single Channel HT. By 0.55 miles, other baby monitors were coming in stronger, but when my transmitter was fading in and out, it was quite strong.

_____
Do you Yahoo!?
Read only the mail you want - Yahoo! Mail SpamGuard.
http://promotions.yahoo.com/new_mail

769. 50-MHz Propagation Alert from Pacific Northwest VHF

Yahoo group: 49megahertz
Date: 2005-08-22 18:59:20 UTC
From: Steven Coles
Topic: 769 Message: 769

Aloha to all:

Al Ward reposted double sun noise on 1296 at 1745 today. I monitored
a 12 dB
increase hear on 432 and subsiding at about 1805z.

50 Mcs. could explode, this was obviously a gigantic flare!

73 Jeremy w7eme

_____
Official Reflector of the Pacific Northwest VHF Society.
www.pnwvhfs.org

NWWSVHF mailing list
NWWSVHF@...
http://mailman.qth.net/mailman/listinfo/nwwsvhf
Archives are at http://mailman.qth.net/pipermail/nwwsvhf/

770. 49 Mc FM Headset Radios

Yahoo group: 49megahertz
Date: 2005-08-23 18:22:39 UTC
From: Rev. Robert P. Chrysafis
Topic: 770 Message: 770

Hi Gang

Check out my new set of 49 Mc Radios i got.

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&rd=1&item=5798969925&ssPageName=STRK:MEWN:IT

Also won a 40-54 Mc 110w Mobile....
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&rd=1&item=7540322805&ssPageName=STRK:MEWN:IT
I'm going to use it to monitor 49 Mc Frequencies using a 5/8 Wave
Groundplane. and to talk on 6m Dx and repeaters

And a user programmable module to replace the z273 prom in the mobile.
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&rd=1&item=5800495217&ssPageName=STRK:MEWN:IT

Long Live 49 Mc :)

These are my first ventures onto 49 Mc with something other than those cheap
talkies that don't go 100ft.

Robert C.
http://www.freecycle.org

I am, always looking for

Trains, HO, O, S, OO, G, N Scale, Lionel, and other brands
and related paraphernalia(buildings, scenery, track, etc)

771. Propagation Alert for VHF

Yahoo group: 49megahertz
Date: 2005-08-24 02:38:30 UTC
From: Steven Coles
Topic: 771 Message: 771

KF7CN - DN16lv
L2544
Palouse Washington USA

Looks like the next day or so could be a ton of fun!

------- Forwarded message follows -------
From: "SpaceWeather.com" <swlist@...>
To: "SpaceWeather.com" <swlist@...>
Subject: CMEs en route to Earth could spark auroras
Date sent: Tue, 23 Aug 2005 10:45:46 -0500

Space Weather News for August 23, 2005
http://spaceweather.com

Big sunspot 798 exploded twice yesterday, August 22nd, and hurled a pair of coronal mass ejections apparently toward Earth. Geomagnetic storms are possible when the clouds arrive. Sky watchers should be alert for auroras during the nights of August 23rd and 24th. High latitudes are favored: e.g., Canada, Alaska and northern-tier US states from Washington to Maine.

Visit http://SpaceWeather.com for more information and updates and--a bonus--a rare photograph of a green flash from the Moon.

772. 49 mhz equipment

Yahoo group: 49megahertz
Date: 2005-08-26 02:00:21 UTC
From: allanegleston
Topic: 772 Message: 772

I went to Wal-Marts Web page and found that Fischer Price makes 2 Baby Monitors in the 49 m.h.z apectrum. One is a "first years" unit that has 2 recive units, and a base. The other is a single unit with a 49 m.h.z base unit.
73's Allam

773. 49 mhz equipment

Yahoo group: 49megahertz
Date: 2005-08-26 22:41:37 UTC
From: allanegleston
Topic: 772 Message: 773

All. Just bought my first 49 m.c-am Got it at the local wal-mart in the infant toddlers's section. It is a Safety 1st MOdel. Has 2 channels, 1: 49.850 2:49.870. THe base unit has a wall wart. Would like to find a modification to put in an r.c.a jack to a mixer board. 13 $ u.s before taxes
73's Allan.

775. re: 49 m.h.z equipment

Yahoo group: 49megahertz
Date: 2005-08-29 01:58:15 UTC
From: allanegleston
Topic: 775 Message: 775

Thanks for your responding to my questions on modification of baby monitor equipment. 73s De Allan

777. Re: [49MHz] wall wart issues.

Yahoo group: 49megahertz
Date: 2005-08-30 18:01:11 UTC
From: larry
Topic: 777 Message: 777

Greetings

1.. Would you give me the names of some of the RF groups that you belong to?....
2...As soon as I put my thoughts together, I will try to respond to your comment(s) about RFI...
Larry ve3fxq

----- Original Message -----
From: r2000swl
To: 49megahertz@yahoogroups.com
Sent: Tuesday, August 30, 2005 11:59 AM
Subject: [49MHz] wall wart issues.

I hve posted this link to several RF groups becaue wall warts
are amajor source of RFI and since by difinition the 49MHz group
is a weak singal study, I will repeat it herein.

I HATE #%$^&*! wall warts, mainly because they are sources of RFI.
The same techniques can be used on !ALL! power diodes. Such effort is
well worth the time and minor expense. I was able to really quiten the
RFI sources in our home.

http://home.computer.net/~pritch/shortwav.htm

Terry

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---

778. Re: [49MHz] wall wart issues.

Yahoo group: 49megahertz
Date: 2005-08-30 18:42:58 UTC
From: larry
Topic: 777 Message: 778

Before I jump to the wrong conclusion.... what are 'wall warts'...
At this moment. I am assuming that they are the power adapters, 120 volts a.c. to d.c. volts. that we plug into the wall.. to feed various electronic devices... am I right or 'out to lunch'...(be gentle)...
Larry

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779. Re: [49MHz] wall wart issues.

Yahoo group: 49megahertz
Date: 2005-08-30 19:16:18 UTC
From: KD7JYK, 49H7KR
Topic: 777 Message: 779

You know only the switching mode supplies produce RFI, right? These were not designed for nor intended to be used anywhere near radio equipment. Throw them away way and get a good old fashioned linear power supply (transformer). They don't produce any RF noise at all, though some cheaper ones may hum a little this can be fixed with parts costing somewhere between free and twenty five cents.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

780. live radio

Yahoo group: 49megahertz
Date: 2005-08-31 02:05:07 UTC
From: allanegleston
Topic: 780 Message: 780

Has anyone thought of hooking up their 49 m.h.z radios to the internet via voip programs(voice over internet protocal) like eqso? Hams started this movement then eqso and now g.m.r.s, f.r.s and cbers are getting into the act. (approved recently by the f.c.c).
73s Allan.

781. Re: wall wart issues.

Yahoo group: 49megahertz
Date: 2005-08-31 03:16:00 UTC
From: Steven Coles
Topic: 781 Message: 781

Terry,

Thank you for the information on outlet-mounted transformers. Many such devices are almost certainly violating FCC regulation for incidental radiation devices.

Ironically, the older rectifiers switched too slowly to produce RFI. Thirty years ago only switching power supplies had the problem. The problem has gotten worse with "improved" technology.

I hope you don't mind that I'm quoting your post to the Legal Unlicensed Transmitter Technology Yahoo Group. Some participants there operate on the LoFer, MedFer, and/or HiFer Part-15 bands where power-supply hash causes even stronger interference.

http://groups.yahoo.com/group/LUTT/

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "r2000swl" <r2000swl@y...> wrote:
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> http://home.computer.net/~pritch/shortwav.htm
>
> Terry

785. Re: wall wart issues.

Yahoo group: 49megahertz
Date: 2005-08-31 19:29:59 UTC
From: Steven Coles
Topic: 781 Message: 785

Terry,

Thank you.

I'm remembering the old tube and knob wiring still common in the 1950s radiated thermostat and motor brush noise everywhere. But a lot of it was also conducted along the wiring. Dad greatly reduced the impact of brush motors on TV viewing by adding an RF filter in series with the power cord. Apparently our TV lacked an inter-winding Faraday shield in the 60-Hz power transformer.

I've worked in a couple places where HF noise would hop through a new ferrite choke's turn-to-turn capacitance. Ugh!

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "r2000swl" <r2000swl@y...> wrote:
> >
> >---------------
> All I did was post the link, I have no trouble with putting the info
> "everywhere". I have a liot of displike for the typical wall wart.
> Of course the smae prolbem can e found in every modern electronic
> device with linear power supplies. Out home TV had more RFI from the
> voltage doubler Si diodes then the switch-mode or the Horizontal
sweep
> system.
> Terry

787. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-09-01 09:41:56 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 787

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

788. The Micro Power Yahoo Group

Yahoo group: 49megahertz
Date: 2005-09-02 21:45:34 UTC
From: Steven Coles
Topic: 788 Message: 788

All,

Stan's Micro Power Yahoo Group is a resource for examples of and technology for limited power DX. It describes itself as,

"A group of amateur radio operators and experimenters who enjoy running micro power RF levels for experimental communications on the High Frequency amateur radio frequencies, i.e. 80 meters, 40 meters, 30 meters etc."

and

"Anything running one watt or less will be considered On Topic for discussion."

http://groups.yahoo.com/group/micro_power/

Best regards,

Steven

789. More Sensitive than a SA602?

Yahoo group: 49megahertz
Date: 2005-09-05 03:38:41 UTC
From: Steven Coles
Topic: 789 Message: 789

All,

While I'm not done with side-by-side tests, my TA2003 converter seems more sensitive than my SA602 converter. (The SA602 converter is from January 1997 QST. The TA2003 converter is a modified thrift-store FM broadcast receiver.) As the Toshiba/UTC TA2003 (& some other AM/FM ICs) has an RF stage before the mixer, the greater sensitivity is not surprising.

In some ways modifying the FM receiver was easier than building the SA602 converter. I simply removed all the RF tuning circuits and replaced the input and RF amplifier output tanks with LC circuits tuning 49-51 MHz (8 turns bare wire, 0.25" diameter, 5/8" long in parallel with a 12-70 pF trimmer-lengthen or compress coil, if needed). Actually, they tune a greater range, but I have not explored very far.

39.3216 MHz is injected into the oscillator pin. The 39.3 MHz is obtained by XOR doubling from a 19.6608-MHz 65-cent bargain-table DIP oscillator. The 19.7 MHz feeds directly into one CMOS XOR input and through a 470 ohm and 330 pF phase shifter to the other input of the same XOR gate (probably excessive phase shift).

A series resonant circuit consisting of 6 turns #28 magnet wire around a 455 kHz IF core and a 10 pF capacitor selects 39.3 MHz from the output harmonics.

49.860 MHz □ 39.322 MHz = 10.538 MHz. (A toy 49.860-MHz walkie talkie came in somewhat off frequency.) An 18-inch audio cable carries the 10.5 +/- MHz to my HF receiver.

Happy experimenting,

Steven

790. 49er Beacon?

Yahoo group: 49megahertz
Date: 2005-09-05 12:40:04 UTC
From: Steven Coles
Topic: 790 Message: 790

All,

Has anybody heard or seen the 49.8448 MHz beacon described at

http://www.w4dex.com/beacon_status.htm

?

Best regards,

Steven

791. Re: More Sensitive than a SA602?

Yahoo group: 49megahertz
Date: 2005-09-05 13:06:00 UTC
From: Adam E.
Topic: 789 Message: 791

Steven,

Where can I find the TA2003 Converter chip? I have not experimented with the SA602 yet. My plans is to build some kind of converter that downconverts to 49 MHz to 28 MHz so I can listen to my radio station with the DX-392. Are there any schematics for down converters out there? Your help would be appreciated, thanks a bunch.

Adam E.

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...> wrote:
> All,
>
> While I'm not done with side-by-side tests, my TA2003 converter
> seems more sensitive than my SA602 converter. (The SA602 converter
> is from January 1997 QST. The TA2003 converter is a modified thrift-
> store FM broadcast receiver.) As the Toshiba/UTC TA2003 (& some
> other AM/FM ICs) has an RF stage before the mixer, the greater
> sensitivity is not surprising.
>
> In some ways modifying the FM receiver was easier than building the
> SA602 converter. I simply removed all the RF tuning circuits and
> replaced the input and RF amplifier output tanks with LC circuits
> tuning 49-51 MHz (8 turns bare wire, 0.25" diameter, 5/8" long in
> parallel with a 12-70 pF trimmer-lengthen or compress coil, if
> needed). Actually, they tune a greater range, but I have not
> explored very far.
>
> 39.3216 MHz is injected into the oscillator pin. The 39.3 MHz is
> obtained by XOR doubling from a 19.6608-MHz 65-cent bargain-table
> DIP oscillator. The 19.7 MHz feeds directly into one CMOS XOR input
> and through a 470 ohm and 330 pF phase shifter to the other input of
> the same XOR gate (probably excessive phase shift).
>
> A series resonant circuit consisting of 6 turns #28 magnet wire
> around a 455 kHz IF core and a 10 pF capacitor selects 39.3 MHz from
> the output harmonics.

>
> 49.860 MHz ☐ 39.322 MHz = 10.538 MHz. (A toy 49.860-MHz walkie
> talkie came in somewhat off frequency.) An 18-inch audio cable
> carries the 10.5 +/- MHz to my HF receiver.
>
> Happy experimenting,
>
> Steven

792. Re: More Sensitive than a SA602?

Yahoo group: 49megahertz
Date: 2005-09-05 18:08:35 UTC
From: Steven Coles
Topic: 789 Message: 792

Adam,

Here are some ICs found in thrift-store AM/FM radios (for just the IC try the NTE cross reference):

IC 1st cross 2nd cross
CA3089 NTE788 ? Intersil IF system
only
CXA1019 ? ? Sony FM/AM Radio
CXA1019 ? ? UTC FM/AM Radio
HA12413 NTE1557 ? FM/AM IF amplifier
KA22427 ? ? Samsung AM/FM Radio
KIA6040 ECG1843 TA7640 Samsung AM/FM Mixer & IF
MC1350 NTE746 ? IF amplifier
MC1490 ? ? RF/IF/AF
Wideband Amp
MC3359 ? ? Narrow band
FM IF used in baby monitors
MC3361 ? ? Narrow band
FM IF used in baby monitors
T900B1 NTE1624 ? TFK FM/AM IF
amplifier
TA2003 ? ? Toshiba/UTC
AM/FM Radio
TA7613A NTE1624 TDA1083 AM/FM Radio
TBA120 NTE1580 ? Philips Sound IF Amp & Demod
TDA1083 ECG1624 K174HA10, KA22427, TA7613, ULN2204? TEMIC & ATMEL
AM-FM radio
TDA7000 ? ? Philips FM receiver
TDA7010 ? ? Philips FM receiver
TDA7021 ? ? Philips FM receiver
TDA7088 ? ? Philips FM receiver
TEA5570 ? ? Philips AM-FM radio
IF

Be sure to check my typing against manufacturers' information before trying to use these. All the above ICs were found in thrift (second-hand) store receivers. The ICs listed as "IF amplifiers" or "IF systems" (IF system ICs include demodulators) usually have discrete converters in the receivers.

Each IC above has an on-line data sheet. Most data sheets include example circuits approximating real products. However, unless you obtain a Sam's Photofact or the equivalent for the receiver, you will have no circuit layout and only an approximate schematic.

I do not have layouts or exact schematics. I had little trouble with these lacks. However, 7 years of my early employment involved adjusting & troubleshooting undocumented 1-of-a-kind audio and control circuits. A builder using the conversion approach needs comfort with tracing receiver circuits.

I obtained most of the data sheets I have from the Data Sheet Archive at

http://www.datasheetarchive.com/

For those trying to learn troubleshooting undocumented consumer electronics I've heard of "Troubleshooting & Repairing Consumer Electronics without a Schematic," by Homer L. Davidson, but have not seen it. At ~$35 I'd suggest taking a good look before buying.

A 20-MHz oscillator will convert 49.830 - 49.890 MHz to 29.830 ☐ 29.890 MHz. Commonly available 22.1184-MHz Oscillators can serve as local oscillators for converting 49.830 - 49.890 MHz to 27.712 ☐ 27.772 MHz.

Happy building,

Steven

--- In 49megahertz@yahoogroups.com, "Adam E." <gccengineering@y...> wrote:
>
> Steven,
>
> Where can I find the TA2003 Converter chip? I have not
> experimented with the SA602 yet. My plans is to build some kind
> of converter that downconverts to 49 MHz to 28 MHz so I can listen
> to my radio station with the DX-392. Are there any schematics for
> down converters out there? Your help would be appreciated, thanks
> a bunch.
>
> Adam E.
>
>

793. Re: [49MHz] Re: More Sensitive than a SA602?

Yahoo group: 49megahertz
Date: 2005-09-05 18:15:34 UTC
From: Adam Ebel
Topic: 789 Message: 793

Thanks for all that information. I got some pretty good ideas now in the hobby. Now I must find a circuit soon. Soon I am going to get a outdoor discone antenna that will receive 25 to 1.3 GHz. So the more its outside the better it will be picking up distant 49 MHz transmissions. I will see about hunting down those chips. Best Regards. Adam E.

Steven Coles <scoles@...> wrote:
Adam,

Here are some ICs found in thrift-store AM/FM radios (for just the IC try the NTE cross reference):

IC 1st cross 2nd cross
CA3089 NTE788 ? Intersil IF system
only
CXA1019 ? ? Sony FM/AM Radio
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Wideband Amp
MC3359 ? ? Narrow band
FM IF used in baby monitors
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FM IF used in baby monitors
T900B1 NTE1624 ? TFK FM/AM IF
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AM/FM Radio
TA7613A NTE1624 TDA1083 AM/FM Radio
TBA120 NTE1580 ? Philips Sound IF Amp & Demod
TDA1083 ECG1624 K174HA10, KA22427, TA7613, ULN2204? TEMIC & ATMEL
AM-FM radio
TDA7000 ? ? Philips FM receiver
TDA7010 ? ? Philips FM receiver
TDA7021 ? ? Philips FM receiver
TDA7088 ? ? Philips FM receiver
TEA5570 ? ? Philips AM-FM radio
IF

Be sure to check my typing against manufacturers' information before trying to use these. All the above ICs were found in thrift (second-hand) store receivers. The ICs listed as "IF amplifiers" or "IF systems" (IF system ICs include demodulators) usually have discrete converters in the receivers.

Each IC above has an on-line data sheet. Most data sheets include example circuits approximating real products. However, unless you obtain a Sam's Photofact or the equivalent for the receiver, you will have no circuit layout and only an approximate schematic.

I do not have layouts or exact schematics. I had little trouble with these lacks. However, 7 years of my early employment involved adjusting & troubleshooting undocumented 1-of-a-kind audio and control circuits. A builder using the conversion approach needs comfort with tracing receiver circuits.

I obtained most of the data sheets I have from the Data Sheet Archive at

http://www.datasheetarchive.com/

For those trying to learn troubleshooting undocumented consumer electronics I've heard of "Troubleshooting & Repairing Consumer Electronics without a Schematic," by Homer L. Davidson, but have not seen it. At ~$35 I'd suggest taking a good look before buying.

A 20-MHz oscillator will convert 49.830 - 49.890 MHz to 29.830 ? 29.890 MHz. Commonly available 22.1184-MHz Oscillators can serve as local oscillators for converting 49.830 - 49.890 MHz to 27.712 ? 27.772 MHz.

Happy building,

Steven

--- In 49megahertz@yahoogroups.com, "Adam E." <gccengineering@y...> wrote:
>
> Steven,
>
> Where can I find the TA2003 Converter chip? I have not
> experimented with the SA602 yet. My plans is to build some kind
> of converter that downconverts to 49 MHz to 28 MHz so I can listen
> to my radio station with the DX-392. Are there any schematics for
> down converters out there? Your help would be appreciated, thanks
> a bunch.
>
> Adam E.
>
>

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794. [49MHz] Re: More Sensitive than a SA602?

Yahoo group: 49megahertz
Date: 2005-09-05 20:56:51 UTC
From: Steven Coles
Topic: 789 Message: 794

Adam,

I haven't collected converter web sites. This is all I know off:

Using a dual-gate MOSFET.

http://www.alphalink.com.au/~parkerp/projects/canning.htm

Zipped files for 50-MHz converters and preamps can be found near the bottom at

http://6mt.com/6tech.htm

Far circuits advertises circuit boards for converters at

http://www.farcircuits.net/convert2.htm

Active differential mixer about ¼ down the page at

http://www.qrp.pops.net/misc_2005.htm

The method show here could be used to convert 49 MHz to 28 MHz

http://ludens.cl/Electron/converter/converter.html

50 MHz to 28 MHz using an NE602 or NE612

http://www.dl5neg.de/6m_conv/50mhz_to_28mhz.htm

Another dual-gate MOSFET converter

http://homepage.tinet.ie/~ei9gq/50conv.html

Some advice on building electronics

http://www.seits.org/features/homebrew.htm

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, Adam Ebel <gccengineering@y...> wrote:
> Thanks for all that information. I got some pretty good ideas now in the hobby. Now I must
> find a circuit soon. Soon I am going to get a outdoor discone antenna that will receive
> 25 to 1.3 GHz. So the more its outside the better it will be picking up distant 49 MHz
> transmissions. I will see about hunting down those chips.

Best Regards. Adam E.
>

796. 49 m.h.z. baby monitors

Yahoo group: 49megahertz
Date: 2005-09-08 01:19:34 UTC
From: allanegleston
Topic: 760 Message: 796

All, am having a friend install a female phono plug on my 49 m.h.z baby monitor. This way I can connect my tape recorders and such to my mixer board. P. S also one can broadcast music on these frequencies as one cannot on ham or cb or frs. 73's Allan.

797. Re: 49 m.h.z. baby monitors

Yahoo group: 49megahertz
Date: 2005-09-08 03:30:16 UTC
From: Steven Coles
Topic: 760 Message: 797

Allan,

A neighbor used to play semi-classical music through a baby monitor.
It sounded great! When he had a fight with his wife and moved out we
lost one of our best stations.

Happy broadcasting,

Steven

--- In 49megahertz@yahoogroups.com, "allanegleston"
<allanegleston@y...> wrote:
> All, am having a friend install a female phono plug on my 49 m.h.z
baby
> monitor. This way I can connect my tape recorders and such to my
mixer
> board. P. S also one can broadcast music on these frequencies as one
> cannot on ham or cb or frs. 73's Allan.

798. Re: 49er Beacon?

Yahoo group: 49megahertz
Date: 2005-09-08 03:32:40 UTC
From: Steven Coles
Topic: 790 Message: 798

Jerome,

I really enjoy hearing about micro-power feats. I'm looking forward
to your and other members' ongoing reports.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "w0jrt" <w0jrt@y...> wrote:
> Unfortuantely I haven't been trying very often. I'll keep an ear out
> for 6 meter openings to NC. The next time that happens I'll see if I
> can tune it in.
>
> -Jerome
>

799. 49 m.h.z. baby monitors

Yahoo group: 49megahertz
Date: 2005-09-09 22:32:23 UTC
From: allanegleston
Topic: 760 Message: 799

Has anyone spliced in a r.c.a phono jack for input from a mixer to a
baby monitor? Or does one have speakers near the b.m?
THanks in adavance. ALlan

800. Re: [49MHz] 49 m.h.z. baby monitors

Yahoo group: 49megahertz
Date: 2005-09-10 00:28:08 UTC
From: KD7JYK, 49H7KR
Topic: 762 Message: 800

I use RCA jacks for the input

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

802. 74HC240 Micro-Power Beacons

Yahoo group: 49megahertz
Date: 2005-09-12 03:16:02 UTC
From: Steven Coles
Topic: 802 Message: 802

All,

Has anybody here looked into adapting any of the
74HC240 transmitters to operate as beacons on
49 MHz or other Part-15 bands?

Jerome, Thank you for staying on top of propagation and reporting.

Some variations on the 74HC240 transmitters can be found at:

http://geocities.yahoo.com.br/py2ohh/trx/digital/rfdigital.htm

http://www.madisoncounty.net/~kj5tf/n7ksb.html

http://www.seboldt.net/k0jd/hcbuffer.html

http://www.ardf.ch/Technik/Tx_80m.htm

Copy and reassemble this one:

http://www.radiohc.org/Distributions/Dxers/ultra-simple-
transmitter.html

http://www.qsl.net/qrp/tx/logi-tx.htm

http://www.qsl.net/lu8eha/lab_ref4.html

Best regards,

Steven

803. 49 m.h.z baby monitors

Yahoo group: 49megahertz
Date: 2005-09-13 00:40:43 UTC
From: allanegleston
Topic: 803 Message: 803

What is the average range of the baby monitors. mine says 10 feet or 3 meters?

804. Re: [49MHz] 49 m.h.z baby monitors

Yahoo group: 49megahertz
Date: 2005-09-13 01:46:15 UTC
From: KD7JYK, 49H7KR
Topic: 804 Message: 804

I find them to work over a couple blocks or about 1,000 feet. More or less depending on terrain.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory
----- Original Message -----
From: allanegleston
To: 49megahertz@yahoogroups.com
Sent: Monday, September 12, 2005 17:40
Subject: [49MHz] 49 m.h.z baby monitors

What is the average range of the baby monitors. mine says 10 feet or 3 meters?

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---

805. Re: [49MHz] 49 m.h.z baby monitors

Yahoo group: 49megahertz
Date: 2005-09-13 04:25:55 UTC
From: Steven Coles
Topic: 804 Message: 805

Allan,

In my experience baby monitors usually have a minimum range of 50 to 70 feet to another baby monitor receiver or an NBFM handheld transceiver. That's punching through apartments' sheet-metal studs, telephone lines, CATV lines, power mains, and plumbing indoors plus fir trees outdoors. Some have a range closer to 500 feet to an NBFM handheld transceiver. Baby monitors and terrain vary all over and Kurt's experience sounds entirely reasonable.

Using an indoor ground-plane antenna, a converter (QST junk box with no RF amplifier), a communications receiver (Grundig YB400PE), a sound card, and a water-fall display (such as the ARGO free download) in slow mode (long dot settings) sees a cheap handheld transceiver beyond 5000 feet. Of course the transmitter has to be using QRSS (radiotelegraph with dots 3 seconds or longer) for communications over such a range.

In quieter surroundings, with a 3 to 7 element vertically polarized receive Yagi, an RF preamplifier on the converter, a quieter receiver, and cleaned up interconnection cables, and more practice with the spectrum display software. . . I have no eye deer. Maybe just moving my ground plane outdoors would double the range.

Let's say moving outside this Faraday cage of an apartment, using a vertically polarized 5-element Yagi, and getting 15 feet off the ground gives me 10-dB improvement. That should give me a 15,000-foot range. But making those changes properly might give me 15 dB. That would give a range closer to 28,000 feet ~5 miles).

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "KD7JYK, 49H7KR" <kd7jyk@e...>
wrote:
> I find them to work over a couple blocks or about 1,000 feet.
More or less depending on terrain.
>
> Kurt
>
> Rosetta Proving Ground, Nevada
> Hell's Laboratory
> ----- Original Message -----
> From: allanegleston
> To: 49megahertz@yahoogroups.com
> Sent: Monday, September 12, 2005 17:40

> Subject: [49MHz] 49 m.h.z baby monitors
>
>

806. Re: [49MHz] 49 m.h.z baby monitors

Yahoo group: 49megahertz
Date: 2005-09-13 04:56:23 UTC
From: KD7JYK, 49H7KR
Topic: 804 Message: 806

In thinking back to one exceptional reception of a monitor, my friend Phil and I accidentially zeroed in one on in the middle of the night. Using a Uniden BC-200XLT with a 150 MHz rubber duck we drove the neighbourhood. We stopped in front of a house and parked while we contemplated our next move. We heard a woman over the monitor mention a car stopped out front. We drove off and we said it had just left. This house was roughly five blocks from my house. Cordless phones go much further, not uncommon to hear them a quarter to half mile out with a 2m 5/8 wave mag mount. The older phones operating around 1.7 MHz had a range of a block or so. The 900 MHz phones can be heard a couple blocks away. In one experiment with a 49 MHz toy car remote control and the Uniden scanner with 150 MHz rubber duck, we could easily receive the transmitter tone at 700' with the squelch off. These experiments led to my first 49 MHz beacon in 1993.

Kurt

Rosetta Proving Ground, Nevada
Hell's Laboratory

807. Cordless Phones on Private Exchanges

Yahoo group: 49megahertz
Date: 2005-09-15 13:52:46 UTC
From: Steven Coles
Topic: 807 Message: 807

All,

If a cordless phone connects only to a private exchange, is it still a cordless phone for legal purposes?

If so, they can dodge baby monitors by operating anywhere from 40.7 to 50 MHz with a field strength of 10,000 uV/m at 3 meters.

I don't know how involved a private exchange would be to count. If a human operator exchange with a few 3-contact phone jacks, leaf switches, patch cables, and a battery counts, one could be assembled in a couple evenings.

(Years ago I heard an urban legend about a system of such exchanges in the mid west interconnected via wire fences so rural phones could connect across 10 of miles without connecting to the main network. (Rural connections were very expensive at one time.) It seems a little far fetched as without multiplexing a 4-wire fence could carry only 2 conversions. But a scaled-down version interconnecting cordless phones would be interesting.)

Best regards,

Steven

808. Re: [49MHz] Cordless Phones on Private Exchanges

Yahoo group: 49megahertz
Date: 2005-09-15 15:28:20 UTC
From: larry
Topic: 808 Message: 808

the 49 mhz band was given to people so that they could use cordless phones and baby monitors because of the mess that exists on 27 mhz.. Those products used to be on 27 mhz....
A cordless phone, is simply a way to have a phone conversation without having a wire connection between you and the telephone line........
A baby monitor is much the same except its one way ....
Baby monitors, I believe, use the same frequency band...perhaps different frequencies to try to avoid interference...
Hoever a feature called 'the capture effect' 'tends' to prevent on phone conversation for interfering with another...
I am not familiar enough your country style phone system to comment...
Larry ve3fxq

----- Original Message -----
From: Steven Coles
To: 49megahertz@yahoogroups.com
Sent: Thursday, September 15, 2005 9:52 AM
Subject: [49MHz] Cordless Phones on Private Exchanges

All,

If a cordless phone connects only to a private exchange, is it still a cordless phone for legal purposes?

If so, they can dodge baby monitors by operating anywhere from 40.7 to 50 MHz with a field strength of 10,000 uV/m at 3 meters.

I don't know how involved a private exchange would be to count. If a human operator exchange with a few 3-contact phone jacks, leaf switches, patch cables, and a battery counts, one could be assembled in a couple evenings.

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Best regards,

Steven

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---

809. re: private 49 m.h.z exchanges

Yahoo group: 49megahertz
Date: 2005-09-17 14:07:31 UTC
From: allanegleston
Topic: 809 Message: 809

In regards to a queestion you had on farmers using fence wires as conductors, it is true. In calaveras county, California, the private telephone company started that way as the farmers used that methold as it was cheaper to do that than using standard poles and wires.The fellow who started the company ran his first lin as an experiement, then others wanted the telephone.This was on a calander from the calaveras phone company. Post script: 49 m.h.z was started around 1976 to get the low power walki- talkis off the congested c.b. band. Wireless intercoms started on the a.m. broadcast band as a direct result of the lindburg baby kid naping.The first called the" radio Nurse" These were later moved to 49 m.h.z 73's Allan.

810. Re: private 49 m.h.z exchanges

Yahoo group: 49megahertz
Date: 2005-09-17 18:07:31 UTC
From: Steven Coles
Topic: 809 Message: 810

Allan,

Glad to hear the old story's true.

I got out three cordless phones and
started them charging. (Two are
40-something-MHz and the third is
900 MHz.) I wired the base station
lines in parallel. Then I added a
680-Ohm load resistor and a 24-volt
supply to fool them into "thinking"
they have exchange battery.

Sure enough, the handsets talk to each other.

Turns out pushing the "find handset"
button is a bit like calling CQ.
A neighbor's phone on the same frequency
sounds like it is ringing. If you are
going to try this, prepare something
clever to say. ;-)

Best regards,

Steven

811. re: private 49 m.h.z exchanges

Yahoo group: 49megahertz
Date: 2005-09-17 21:09:39 UTC
From: allanegleston
Topic: 809 Message: 811

Steve: I also heard that pressing the star key and a certain number opn\ens up the phones and converts them into a wireless intercom.This is in the phone book and I will have to look that information up. The latter procedure was for hardline phones and can be used for cordless. Getting harder and harder to find 49 m.c phones. Staples and wal-mart no longer sell them except on the web. As for radio shack, I wont even go there. Feel that the chain should change its name.
73's Allan.

812. Re: private 49 m.h.z exchanges

Yahoo group: 49megahertz
Date: 2005-09-17 21:51:15 UTC
From: Steven Coles
Topic: 809 Message: 812

Allan,

As usual I found what I wanted at the
local Saint Vincent DePaul store. It
has a much better selection than Cell
Shack. Maybe it aught to change its
name to "Radio Source."

I'm looking forward to what you find
about using phones as an intercom.
We had something similar in Tacoma,
I think. Except with ours if my daughter
and a friend used 2 phones to play with,
the 3rd. . . lost access to the dial-up
exchange until they hung up (and hoping
they both remembered to hang up).

If the grand kids came around and what to
play with the cordless phone, I can let
them use this set up with minimum fear.

This arrangement does have a QRM problem.
There's one up link and one down link for
each cordless telephone.

Best regards,

Steven

813. re: private 49 m.h.z. exchanses

Yahoo group: 49megahertz
Date: 2005-09-19 04:50:43 UTC
From: allanegleston
Topic: 813 Message: 813

Steve, am closeing down my account on my fathers computer. Will take
this up when i get back from my vacation,which will be tuesday evening.
Untill then 73's de Allan Egleston. kf6uxj

814. re: private 49 m.h.z exchanges

Yahoo group: 49megahertz
Date: 2005-09-24 23:32:53 UTC
From: allanegleston
Topic: 809 Message: 814

Steve, I called the 800 number in the phone book for ths info.
Many places s.b.c. , no longer carries this service, but here goes.
You can dial star 51 and this will set up a distinctive ring tone for
that phone. I heard on another scanner site (good info on 49 m.h.z)
where one had to dial star 67 and that would open up hard phones in a
intercom situation. I will try to ferret this oun.
As for hooking phones up to wire fences, the calaveras phone calander
stated that it was (is, 1000$ to string poles and wires. The coustumer
has to do this him-herself)expensive. 73's Allan

815. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-10-01 09:06:14 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 815

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

816. re::[49MHz] File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-10-02 19:19:53 UTC
From: allanegleston
Topic: 816 Message: 816

my yahoo e-mail bulk filter swallowed your post.
good thing i went there

817. summer

Yahoo group: 49megahertz
Date: 2005-10-12 18:14:32 UTC
From: allanegleston
Topic: 817 Message: 817

Hope that evryone had a good summer. I got my broadcasting station running.

818. Re: summer

Yahoo group: 49megahertz
Date: 2005-10-13 01:59:07 UTC
From: Steven Coles
Topic: 817 Message: 818

Hey Allan!

No fair!!! You have to tell us more than that. But congratulations--
glad you had success.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "allanegleston"
<allanegleston@y...> wrote:
>
> Hope that evryone had a good summer. I got my broadcasting station
> running.
>

819. re: summer

Yahoo group: 49megahertz
Date: 2005-10-13 02:32:34 UTC
From: allanegleston
Topic: 817 Message: 819

Went to see family in arizona for two weeks. Also did some testing on 49.870 for my broadcasting station! Found a way to use head phoes for acustical coupling from my mixer to the baby monitor. I basicllay put the headphones over the electret mike. Later am going to check for range. The directions say roughly about 10 feet , but got more than that inside the house. 73's Allan.

820. Field Strength Meter

Yahoo group: 49megahertz
Date: 2005-10-26 21:15:54 UTC
From: Stan Barnes
Topic: 820 Message: 820

[New member]
I've been playing with an RC model tank on 49MHz and want to experiment with the transmitter antenna length for increased range. Is there an inexpensive field strength meter available that's sensitive enough for these 100mw systems?
Thanks, Stan
W1GHN

821. Re: Field Strength Meter

Yahoo group: 49megahertz
Date: 2005-10-27 01:09:26 UTC
From: Old Jay
Topic: 820 Message: 821

If you mess with the antenna length you'll need a way to keep your SWR as low as possible. At those frequencies experimenting with the antenna loading coil and antenna length is a tricky and precise art.

--- In 49megahertz@yahoogroups.com, "Stan Barnes" <stanb112@s...> wrote:
>
> [New member]
> I've been playing with an RC model tank on 49MHz and want to experiment
> with the transmitter antenna length for increased range. Is there an
> inexpensive field strength meter available that's sensitive enough for
> these 100mw systems?
> Thanks, Stan
> W1GHN
>

822. Re: Field Strength Meter

Yahoo group: 49megahertz
Date: 2005-10-27 01:42:11 UTC
From: Stan Barnes
Topic: 820 Message: 822

I agree with you. The difficulty is there's no easy way to check SWR with a "toy" transmitter. The antenna is a simple telescoping whip 31" long which is not close to a fraction of a 49MHz wavelength. If my calculations are correct a 1/8 wave antenna should be slightly over 28" long. My thought is that with an FSM I could adjust the whip for the strongest signal. It makes me wonder, none of my radio control systems (27, 49 and 75 MHz) appear to have tuned antennas. Maybe I'm I'm overthinking this.....
Stan

--- In 49megahertz@yahoogroups.com, "Old Jay" <ottojay54@y...> wrote:
>
> If you mess with the antenna length you'll need a way to keep your SWR
> as low as possible. At those frequencies experimenting with the
> antenna loading coil and antenna length is a tricky and precise art.
>
> --- In 49megahertz@yahoogroups.com, "Stan Barnes" <stanb112@s...>
> wrote:
> >
> > [New member]
> > I've been playing with an RC model tank on 49MHz and want to
> experiment
> > with the transmitter antenna length for increased range. Is there an
> > inexpensive field strength meter available that's sensitive enough
> for
> > these 100mw systems?
> > Thanks, Stan
> > W1GHN
> >
>

823. all hallows eve

Yahoo group: 49megahertz
Date: 2005-11-01 06:25:47 UTC
From: allanegleston
Topic: 823 Message: 823

Did anyone do any broadcasting to-night. If so. what did u brodcast?
did anyone broadcast "war of the worlds"??
73's k-allan.

824. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-11-01 10:30:24 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 824

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

825. Re: all hallows eve

Yahoo group: 49megahertz
Date: 2005-11-11 03:05:58 UTC
From: Adam E.
Topic: 823 Message: 825

I was about to go on air and play music on the air, but the
transmitter had problems. Way before halloween I played
my minidisc of Halloween Favorites. Right now I am having
problems with my base station that is falling apart, and its
my favorite rig :(. I need a service manual or schematic
from China. Christmas music is here now so I will be doing
that on another rig. Cheers 73

Adam E.

--- In 49megahertz@yahoogroups.com, "allanegleston"
<allanegleston@y...> wrote:
>
> Did anyone do any broadcasting to-night. If so. what did u brodcast?
> did anyone broadcast "war of the worlds"??
> 73's k-allan.
>

826. Re: all hallows eve

Yahoo group: 49megahertz
Date: 2005-11-11 07:09:25 UTC
From: allanegleston
Topic: 823 Message: 826

Was given a tx of an unknown make. frequs are as follows:
1: 49.86
2: 49.89
My friend added a mini jack to the unit so that I can hook up the unit to my mixer. Not a prioity now, as i am in the process in moveing to a new qth in sonora ca. Will not be in area for CHristmas to broadcast.
73's Allan kf6uxj, ex kae4466, and k-allan radio.

827. maxon 49 h5

Yahoo group: 49megahertz
Date: 2005-11-30 21:12:38 UTC
From: mattwa86
Topic: 827 Message: 827

Does anyone know the erp of this raio and can it easily be converted to 6 metres? If so how is it done? Regards M Walker

828. RE: [49MHz] maxon 49 h5

Yahoo group: 49megahertz
Date: 2005-12-01 00:21:43 UTC
From: soundmanjim
Topic: 827 Message: 828

max erp is 50mw i think 10,000 uV/M @ 3 Meters (fcc max allowable)

The Fat Surfer Music Venue
Jim Henderson
Freelance Sound Engineer
soundmanjim@...
79, london road, Grays Essex
fax: 01375679750
mobile: 07711306812

-----Original Message-----
From: 49megahertz@yahoogroups.com [mailto:49megahertz@yahoogroups.com]On Behalf Of mattwa86
Sent: 30 November 2005 21:13
To: 49megahertz@yahoogroups.com
Subject: [49MHz] maxon 49 h5

Does anyone know the erp of this raio and can it easily be converted to 6 metres? If so how is it done? Regards M Walker

Yahoo! Groups Links

829. Re: [49MHz] maxon 49 h5

Yahoo group: 49megahertz
Date: 2005-12-01 05:28:58 UTC
From: Steven Coles
Topic: 827 Message: 829

Mattwa86,

Almost any RF output amplifier transistor can handle 300 mW DC input
with 70% efficiency for 210 mW RF output. The problem is getting
the bias and coupling correct so you're not just making the
transistor hotter to get less output. There's a good chance someone
in this group will field the question.

If you don't get an answer here any of the following groups are
possible information sources:

http://groups.yahoo.com/group/eeham/

http://groups.yahoo.com/group/ham-designers/

http://groups.yahoo.com/group/radioexperimenter/

73,

Steven

--- In 49megahertz@yahoogroups.com, "soundmanjim" <soundmanjim@b...>
wrote:
>
> max erp is 50mw i think 10,000 uV/M @ 3 Meters (fcc max allowable)
>
>
>
>
>
> ------------------------------------
> The Fat Surfer Music Venue
> Jim Henderson
> Freelance Sound Engineer
> soundmanjim@b...
> 79, london road, Grays Essex
> fax: 01375679750
> mobile: 07711306812
> ------------------------------------

830. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2005-12-01 11:41:13 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 830

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

831. Maxon 49 h5

Yahoo group: 49megahertz
Date: 2005-12-10 10:11:25 UTC
From: mattwa86
Topic: 831 Message: 831

Does anyone know how the maxon 49 h5 can be converted to 6 metres?
Thanx, matt

833. Happy Holidays

Yahoo group: 49megahertz
Date: 2005-12-23 05:22:36 UTC
From: allanegleston
Topic: 833 Message: 833

Seems that the activity of this group went 0. Is anyone broadcasting Christmas music or what. Have moved into a new apartment and plan to broadcast from there. 73's from radio station k- allan.

834. Re: [49MHz] Happy Holidays

Yahoo group: 49megahertz
Date: 2005-12-23 12:10:08 UTC
From: bruce mallon
Topic: 833 Message: 834

Well I just found this group. Myself i built a 49.86
statiom 30 years ago and still have most of it and
will try to put it back up soon. otherwise you can
find me on 50.125 USb any time the band is open to
tampabay
Bruce

http://www.qrz.com/wa4gch

--- allanegleston <allanegleston@...> wrote:

> Seems that the activity of this group went 0. Is
> anyone broadcasting
> Christmas music or what. Have moved into a new
> apartment and plan to
> broadcast from there. 73's from radio station k-
> allan.
>
>
>
>

_____
Yahoo! for Good - Make a difference this year.
http://brand.yahoo.com/cybergivingweek2005/

835. Happy Holidays

Yahoo group: 49megahertz
Date: 2005-12-23 22:34:19 UTC
From: Steven Coles
Topic: 833 Message: 835

All,

Happy holidays to the members of 49-MHz Experimental Radio.

Best wishes for a happy 2006.

Steven

836. Re: Hello Bruce

Yahoo group: 49megahertz
Date: 2005-12-23 22:39:52 UTC
From: Steven Coles
Topic: 833 Message: 836

Bruce,

Nice to hear from somebody new.

When new people share their questions and ideas, this group wakes
up. Hope you'll enjoy participating.

Best regards,

Steven KD7YTE

--- In 49megahertz@yahoogroups.com, bruce mallon <wa4gch@y...> wrote:
>
> Well I just found this group. Myself i built a 49.86
> statiom 30 years ago and still have most of it and
> will try to put it back up soon. otherwise you can
> find me on 50.125 USb any time the band is open to
> tampabay
> Bruce
>
> http://www.qrz.com/wa4gch
>
>
>

837. Re: Happy Holidays

Yahoo group: 49megahertz
Date: 2005-12-23 22:47:07 UTC
From: Adam E.
Topic: 833 Message: 837

Steven Coles and Everyone,

I would like to wish everyone and fun and safe Happy Holiday season
and a new 2006 of 49 MHz activities. Also I was at the Family Dollar
a few weeks ago and found some Kawasaki Toy walkie talkies that
operate on 49 MHz, so that means 49 MHz still lives on in the hobby!
Hope to hear from the Kids to Adults using 49 MHz and wish great
Christmas 49 MHz radio contacts.

Adam E 49N4AE
Virginia Beach VA

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@i...> wrote:
>
> All,
>
> Happy holidays to the members of 49-MHz Experimental Radio.
>
> Best wishes for a happy 2006.
>
> Steven
>

838. Re: Happy Holidays

Yahoo group: 49megahertz
Date: 2005-12-23 23:03:43 UTC
From: Steven Coles
Topic: 833 Message: 838

Adam,

Thank you for the good wishes.

You're certainly correct about 49-MHz walkie-talkies' continued availability. The Grocery Outlet in Kenmore, WA often has Sentry brand for as little as $7.95 per pair. Rite Aid stores here had 49-MHz walkie-talkies on sale recently. I'm hoping they were clearing space for the 2006 models.

As far as I can tell 49-MHz walkie-talkies remain the most easily understood and modified VHF consumer product. Baby monitors and mail-box monitors continue providing additional components and options for the 49-MHz Part-15 band.

Best wishes,

Steven

--- In 49megahertz@yahoogroups.com, "Adam E." <gccengineering@y...>
wrote:
>
> Steven Coles and Everyone,
>
> I would like to wish everyone and fun and safe Happy Holiday season
> and a new 2006 of 49 MHz activities. Also I was at the Family
Dollar
> a few weeks ago and found some Kawasaki Toy walkie talkies that
> operate on 49 MHz, so that means 49 MHz still lives on in the
hobby!
> Hope to hear from the Kids to Adults using 49 MHz and wish great
> Christmas 49 MHz radio contacts.
>
> Adam E 49N4AE
> Virginia Beach VA
>

839. Re: [49MHz] Re: Happy Holidays

Yahoo group: 49megahertz
Date: 2005-12-24 01:10:06 UTC
From: KD7JYK, 49H7KR
Topic: 839 Message: 839

I've never seen mail-box monitors that operate below 310 MHz, could someone send me some photos or links of what's on the market?

Kurt
----- Original Message -----
From: Steven Coles

mail-box monitors continue providing additional components and options for the 49-MHz Part-15 band.

840. [49MHz] Re: Surplus Mail-Box Monitors

Yahoo group: 49megahertz
Date: 2005-12-24 01:52:08 UTC
From: Steven Coles
Topic: 839 Message: 840

Kurt,

About a year ago the Alltronics Morgan Hill, CA mail order store had some SignalMail brand 49-MHz mailbox monitors for a very low price. I can't get into their site right now.

The SignalMail boards carry the name "Yon Woo Trading." Neither SignalMail nor Yon Woo Trading come up with anything meaningful on a Google search.

In looking for information I found Fair Radio Sales has a 49-MHz (presumably cordless) headset.

U'NICOM HANDS-FREE HEADSET MODEL 7800 H

http://www.fairradio.com/headse.htm

Price is a bit steep for my tinkering.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "KD7JYK, 49H7KR" <kd7jyk@e...> wrote:
>
> I've never seen mail-box monitors that operate below 310 MHz, could someone send me some photos or links of what's on the market?
>
> Kurt
> ----- Original Message -----
> From: Steven Coles
>
> mail-box monitors continue providing additional components and options for the 49-MHz Part-15 band.
>

841. Re: [49MHz] Re: Surplus Mail-Box Monitors

Yahoo group: 49megahertz
Date: 2005-12-24 03:23:11 UTC
From: KD7JYK, 49H7KR
Topic: 839 Message: 841

Did a quick check myself.... rare that nothing comes up, I find some pretty obscure things most of the time. Do you have one of these units on hand? Any FCC ID number or patent numbers on the thing?

Kurt

842. Re: Surplus Mail-Box Monitors

Yahoo group: 49megahertz
Date: 2005-12-24 04:05:42 UTC
From: Steven Coles
Topic: 839 Message: 842

Kurt,

Oops! Make that SignaMail with no L. Now I get 22 Google hits☐
still not very helpful.

The FCC ID number is:

GSP4PW-YW812SMST

The receiver uses an MC3391 IF. One of the transmitters uses a
16.55667 MHz crystal to operate on 49.670 MHz. The other 2 are on
this group's recommended frequencies.

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "KD7JYK, 49H7KR" <kd7jyk@e...>
wrote:
>
> Did a quick check myself.... rare that nothing comes up, I find
some pretty obscure things most of the time. Do you have one of
these units on hand? Any FCC ID number or patent numbers on the
thing?
>
> Kurt
>

843. Re: [49MHz] Re: Surplus Mail-Box Monitors

Yahoo group: 49megahertz
Date: 2005-12-24 04:26:22 UTC
From: KD7JYK, 49H7KR
Topic: 839 Message: 843

10 hits on the FCC website, but not much info there either...

Kurt

844. Ham Micro-Power Beacon Contest a Model for 49-MHz?

Yahoo group: 49megahertz
Date: 2005-12-26 21:14:44 UTC
From: Steven Coles
Topic: 844 Message: 844

Design Contesters,

Stan of the Micro_Power Yahoo Group has invited Part-15 HiFers to participate in a beacon design contest to run from January 1, 2006 through the end of February. If you read the Micro_Power Yahoo Group, what do you think of the contest as a model for 49-MHz contests?

Details are posted at

http://groups.yahoo.com/group/micro_power/

Happy building,

Steven

845. Part-15 Experimenters Frappr Map

Yahoo group: 49megahertz
Date: 2005-12-30 21:04:35 UTC
From: Steven Coles
Topic: 845 Message: 845

All,

I added a Part-15 experimenters Frappr map at

http://www.frappr.com/part15experimenters

You can use it to show your QTH (location). If enough people participate, we can use it to figure out previously un-noticed paths worth trying, receiver antenna headings, and potential local club locations.

Happy New Year,

Steven

846. Meteor Scatter

Yahoo group: 49megahertz
Date: 2005-12-31 07:01:09 UTC
From: Steven Coles
Topic: 846 Message: 846

Kurt,

You're about the right distance from me for meteor scatter on 49-MHz Part-15 and 50-MHz amateur radio.

In 1967 and 1968 my friends and I would watch meteor pings from channel 2 in the San Francisco Bay area (if I remember correctly). We were using a 5-element 6-meter beam feeding a junk TV receiver. We tapped the AGC line and strip chart recorded the AGC voltage. A sharp AGC rise followed by an exponential decay is indicative of meteor scatter. Usually the AGC voltage falls back into the noise in 10 to 20 seconds.

If it can be done with a 4.5 MHz bandwidth, it aught to be possible to detect a much weaker 10 Hz bandwidth signal. Now where can I find someone with land in an electrically quiet area and willing to let me put up stacked 49-MHz receiving Yagis?

Best regards,

Steven

847. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2006-01-01 12:32:05 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 847

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

849. Re: Field Strength Meter

Yahoo group: 49megahertz
Date: 2006-01-20 00:33:35 UTC
From: Steve
Topic: 820 Message: 849

I built a very sensitive RF voltmeter/FSM long ago using a slightly forward biased PIN diode. I don't recall the exact numbers, but I used a 50uA meter and compensated for the slight forward current by simply adjusting the mechanical zero balance with power on.

I think I got the circuit out of the ARRL Yearbook or ARRL Antenna Handbook.

Steve Greenfield

--- In 49megahertz@yahoogroups.com, "Stan Barnes" <stanb112@s...> wrote:
>
> I agree with you. The difficulty is there's no easy way to check SWR
> with a "toy" transmitter. The antenna is a simple telescoping whip
> 31" long which is not close to a fraction of a 49MHz wavelength. If
> my calculations are correct a 1/8 wave antenna should be slightly over
> 28" long. My thought is that with an FSM I could adjust the whip for
> the strongest signal. It makes me wonder, none of my radio control
> systems (27, 49 and 75 MHz) appear to have tuned antennas. Maybe I'm
> I'm overthinking this.....
> Stan
>

851. Spam, spam, eggs, and spam...

Yahoo group: 49megahertz
Date: 2006-01-20 15:10:12 UTC
From: KB3HFP
Topic: 851 Message: 851

Hey everyone,

FYI, because of the amount of spam we've been getting on the 49MHz list lately, all new members' posts will be moderated, meaning that I have to manually approve them before they get sent to everyone - so if you're a new member, sorry for the delay in posting your messages, but I had to do something about this spam problem.

Hope everyone's having a great New Year,

Michael / KB3HFP / Part 15 op "49H3MA"

852. Re: [49MHz] Spam, spam, eggs, and spam...

Yahoo group: 49megahertz
Date: 2006-01-20 16:05:15 UTC
From: bruce mallon
Topic: 851 Message: 852

I wondered what was going on too bad some just have to
butt into forums like this tring to sell something
.....
I will be using my now retired ringo AR-6 fo 49.860
and im looking into what to run with it first on
receive.
Anyone have ideas on a transmitter ???? i built one
back in the 70's but it is toast and repairing it is
not a good idea I even thought of mini-circuts MAR
amps they make one good for 100+ MW.

--- KB3HFP <kb3hfp@...> wrote:

> Hey everyone,
>
> FYI, because of the amount of spam we've been
> getting on the 49MHz
> list lately, all new members' posts will be
> moderated, meaning that I
> have to manually approve them before they get sent
> to everyone -

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

855. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2006-02-01 14:53:27 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 855

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

856. Toy Walkie-Talkie Coils

Yahoo group: 49megahertz
Date: 2006-02-05 18:06:11 UTC
From: Steven Coles
Topic: 856 Message: 856

All,

The slug-tuned coil in toy walkie-talkies tunes the superegenerative receiver to frequency and brings the oscillator to resonance with the correct crystal overtone. In the radio-frequency section the coil value is often the only component value which cannot be determined by inspection.

I tested a slug-tuned coil from a toy walkie-talkie and found it to adjust from 240 to 480 nH. This in the value used with a 27 pF capacitor. The values used with a 10 pF capacitor would be ~ 650 - ~1300 nH.

Happy experimenting,

Steven, 49H7SC

857. Re: Toy Walkie-Talkie Coils

Yahoo group: 49megahertz
Date: 2006-02-05 19:44:06 UTC
From: Adam E.
Topic: 856 Message: 857

Steven, I have something to ask you, I cannot find anyway to convert nanohenries in into microhenres. I tried to download some good conversion software but they wanted $15.00 for it.

So what are those measurements in microhenres?

Adam E.

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@...> wrote:
>
> All,
>
> The slug-tuned coil in toy walkie-talkies tunes the superegenerative
> receiver to frequency and brings the oscillator to resonance with the
> correct crystal overtone. In the radio-frequency section the coil
> value is often the only component value which cannot be determined by
> inspection.
>
> I tested a slug-tuned coil from a toy walkie-talkie and found it to
> adjust from 240 to 480 nH. This in the value used with a 27 pF
> capacitor. The values used with a 10 pF capacitor would be ~ 650 -

> ~1300 nH.
>
> Happy experimenting,
>
> Steven, 49H7SC
>

858. Re: [49MHz] Toy Walkie-Talkie Coils

Yahoo group: 49megahertz
Date: 2006-02-05 20:02:02 UTC
From: KD7JYK, 49H7KR
Topic: 858 Message: 858

This is valuable informations as I intend to modify a Ramsey QRP20 for 6.1m operation and wondered how much I would have to change the values of the L and C!

Kurt
----- Original Message -----
From: Steven Coles

The slug-tuned coil in toy walkie-talkies tunes the superegenerative receiver to frequency and brings the oscillator to resonance with the correct crystal overtone. In the radio-frequency section the coil value is often the only component value which cannot be determined by inspection.

859. Re: Toy Walkie-Talkie Coils

Yahoo group: 49megahertz
Date: 2006-02-05 23:23:50 UTC
From: Steven Coles
Topic: 856 Message: 859

Adam,

Oops! I often post as though everyone had a copy of the 1974 ARRL Electronics Data Book handy. Here are the conversions:

240 nH = 0.24 uH,
480 nH = 0.48 uH,
650 nH = 0.65 uH, and
1300 nH = 1.30 uH.

Happy communicating,

Steven

--- In 49megahertz@yahoogroups.com, "Adam E." <gccengineering@...> wrote:
>
>
> Steven, I have something to ask you, I cannot find anyway to
> convert nanohenries in into microhenres. I tried to download
> some good conversion software but they wanted $15.00 for it.
>
> So what are those measurements in microhenres?
>
> Adam E.
>
>

860. Re: Toy Walkie-Talkie Coils

Yahoo group: 49megahertz
Date: 2006-02-06 00:21:45 UTC
From: Steven Coles
Topic: 858 Message: 860

Kurt,

I'm curious about your conversion. I'd like to get on 5.95-meter (50.4-MHz) CW and AM (and maybe DSB).

Are you planning on leaving the oscillator close to stock and tripling in the buffer? 2N3053s are developing high phase shift and running out of gain by 50 MHz. Do plan on substituting something with better VHF performance? The block diagram looks reasonably well suited to AM modulation. Have you looked into modulating the QRP20?

What else have you found out?

Best regards,

Steven

--- In 49megahertz@yahoogroups.com, "KD7JYK, 49H7KR" <kd7jyk@...> wrote:
>
> This is valuable informations as I intend to modify a Ramsey QRP20 for 6.1m operation and wondered how much I would have to change the values of the L and C!
>
> Kurt

861. Forward from KB7DQH 4:20 PM PST: 6 Meters is Open

Yahoo group: 49megahertz
Date: 2006-02-06 00:25:15 UTC
From: Steven Coles
Topic: 861 Message: 861

Yes, Six meters is open-- Worked 4 or so grids in the
American Southwest... VE7DAY is enjoying good conditions
judging by the number of stations I hear calling him...
If you work anything good without trashing the neighbor's
TV's... FLASH ... Just heard EL08 as I type this...
Back to the radio...
Eric
KB7DQH

862. topic off. Bluid inductor

Yahoo group: 49megahertz
Date: 2006-02-06 03:12:32 UTC
From: rc@gronerth.com
Topic: 862 Message: 862

Hi

I tryed it, but i cant get good result.

I bluit inductor (0,17uh) in this way (cupper board)

```
***************
* ********** *
* * * *
* * ******* *
* ************
```

But when i try to bluid the same inductior in this way

```
**** **** ****
* * * * * *
* * * * * *
* **** **** *
```

I cant, why?

863. Re: [49MHz] topic off. Bluid inductor

Yahoo group: 49megahertz
Date: 2006-02-06 02:37:55 UTC
From: KD7JYK, 49H7KR
Topic: 863 Message: 863

Off-hand it looks like a capacitor.

Kurt

----- Original Message -----
From: rc@...

But when i try to bluid the same inductior in this way

**** **** ****
* * * * * *
* * * * * *
* **** **** *
I cant, why?

864. Re: [49MHz] Re: Toy Walkie-Talkie Coils

Yahoo group: 49megahertz
Date: 2006-02-06 12:04:49 UTC
From: bruce mallon
Topic: 858 Message: 864

Let me know too i would like to build something for 6
am too ....

--- Steven Coles <scoles@...> wrote:

> Kurt,
>
> I'm curious about your conversion. I'd like to get
> on 5.95-meter
> (50.4-MHz) CW and AM (and maybe DSB).
>
> Are you planning on leaving the oscillator close to
> stock and
> tripling in the buffer? 2N3053s are developing high
> phase shift and
> running out of gain by 50 MHz. Do plan on
> substituting something
> with better VHF performance? The block diagram
> looks reasonably
> well suited to AM modulation. Have you looked into
> modulating the
> QRP20?
>
> What else have you found out?
>
> Best regards,
>
> Steven
>
> --- In 49megahertz@yahoogroups.com, "KD7JYK, 49H7KR"
> <kd7jyk@...>
> wrote:
> >
> > This is valuable informations as I intend to
> modify a Ramsey QRP20
> for 6.1m operation and wondered how much I would
> have to change the
> values of the L and C!
> >
> > Kurt
>
>
>
>
>

>

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865. Re: topic off. Bluid inductor

Yahoo group: 49megahertz
Date: 2006-02-06 16:07:38 UTC
From: Dave
Topic: 862 Message: 865

--- In 49megahertz@yahoogroups.com, <rc@...> wrote:
>
> Hi
>
> I tryed it, but i cant get good result.
>
> I bluit inductor (0,17uh) in this way (copper board)
> ***************
> * ********** *
> * * * *
> * * ******* *
> * ************

This is a PC board implementation of a coil of wire. Note how the magnetic flux from each segment corresponds with the magnetic flux from the adjacent segments.

> But when i try to bluid the same inductior in this way
>
> **** **** ****
> * * * * * *
> * * * * * *
> * **** **** *
>
> I cant, why?

The magnetic flux from the vertical segments is cancelled out by the magnetic flux from the adjacent vertical segment. Thus, the total amount of inductance is very low for this arrangement. This technique is used for winding "non-inductive" wire-wound resistors, since the adjacent segments tend to cancel out their inductance, leaving only the resistance (There's still a bit of inductance from the horizontal segments, and there's a tiny bit of leakage inductance left from the vertical segments, so it's not really zero inductance, but it's a lot lower than for the spiral arrangement.).

If you're still having trouble understanding this, remember the right hand rule that relates current to magnetic flux, and try to picture the magnetic flux for each segment of the wire/trace.

Dave

866. Ramsey QRPx conversion...

Yahoo group: 49megahertz
Date: 2006-02-07 00:03:55 UTC
From: KD7JYK, 49H7KR
Topic: 866 Message: 866

I haven't thought that far ahead as to how I am going to modify this thing... The same board is used for 20m, 30m, 40m and 80m. I have printed out the parts list and am comparing parts changes between the bands. I am looking over the oscillator at the moment and will start by getting that to operate at 49 MHz. I'll look at the buffer and see if anything needs to change. Certainly the filter needs to be changed and I haven't gotten around to looking at the specs of the 2N3053's yet.

A fellow was nice enough to send me a positive of the PCB so I can make boards to experiment with, he also sent me a schematic with it for the 20m. I have since bought a 20m to build then modify for 22m.

Kurt

867. Re: [49MHz] Re: topic off. Bluid inductor

Yahoo group: 49megahertz
Date: 2006-02-07 03:46:08 UTC
From: rc@gronerth.com
Topic: 867 Message: 867

Hi

Thanks, I understood.

----- Original Message -----
From: Dave
To: 49megahertz@yahoogroups.com
Sent: Monday, February 06, 2006 10:07 AM
Subject: [49MHz] Re: topic off. Bluid inductor

--- In 49megahertz@yahoogroups.com, <rc@...> wrote:
>
> Hi
>
> I tryed it, but i cant get good result.
>
> I bluit inductor (0,17uh) in this way (copper board)
> ***************
> * ********** *
> * * * *
> * * ******* *
> * ************

This is a PC board implementation of a coil of wire. Note how
the magnetic flux from each segment corresponds with the magnetic
flux from the adjacent segments.

> But when i try to bluid the same inductior in this way
>
> **** **** ****
> * * * * * *
> * * * * * *
> * **** **** *
>
> I cant, why?

The magnetic flux from the vertical segments is cancelled out by
the magnetic flux from the adjacent vertical segment. Thus, the
total amount of inductance is very low for this arrangement.
This technique is used for winding "non-inductive" wire-wound
resistors, since the adjacent segments tend to cancel out their
inductance, leaving only the resistance (There's still a bit of
inductance from the horizontal segments, and there's a tiny bit
of leakage inductance left from the vertical segments, so it's
not really zero inductance, but it's a lot lower than for the
spiral arrangement.).

If you're still having trouble understanding this, remember the
right hand rule that relates current to magnetic flux, and try to
picture the magnetic flux for each segment of the wire/trace.

Dave

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---

868. Attempting to upload.

Yahoo group: 49megahertz
Date: 2006-02-07 20:44:20 UTC
From: K. Rudolph, KD7JYK
Topic: 868 Message: 868

I am trying to upload a PCB positive of a QRPx type circuit board. The QRPx is the generic board ramsey uses for all their QRP transmitters. It may be good to 49 MHz. I am also trying to upload a schematic of a QRP20 for camparison with the other bands so you can get an idea of what component changes there are for each band. As soon as yahell's upload server is no longer FUBAR, I'll get those images uploaded.

Kurt

869. Re: Toy Walkie-Talkie Coils

Yahoo group: 49megahertz
Date: 2006-02-07 23:00:12 UTC
From: Steve
Topic: 856 Message: 869

Just divide nanohenries by 1000 to get microhenries.

milli = 10^-3
micro = 10^-6
nano = 10^-9
pico = 10^-12

Kilo = 10^3
Mega = 10^6

Steve Greenfield

--- In 49megahertz@yahoogroups.com, "Adam E." <gccengineering@...> wrote:
>
>
> Steven, I have something to ask you, I cannot find anyway to
> convert nanohenries in into microhenres. I tried to download
> some good conversion software but they wanted $15.00 for it.
>
> So what are those measurements in microhenres?
>
> Adam E.

870. Toy Walkie-Talkie Schematic in Photos

Yahoo group: 49megahertz
Date: 2006-02-12 05:06:51 UTC
From: Steven Coles
Topic: 870 Message: 870

All,

I put a schematic wiring diagram from the radio-frequency section of an Excite 866 49.860-MHz toy walkie-talkie in the photos album. The topology, but not the parts values, is very close to DSI and Sentry toys I partially traced. There could very easily be errors in my circuit tracing.

Happy experimenting,

Steven

871. is anyone there

Yahoo group: 49megahertz
Date: 2006-02-24 19:13:18 UTC
From: allanegleston
Topic: 871 Message: 871

Hope you ayll ahd good holiday times and hope at least that some of u got to broadcast holliday mx. have a great new year. Allan Egleston, radio k-allan

872. Re: [49MHz] is anyone there

Yahoo group: 49megahertz
Date: 2006-02-25 02:54:37 UTC
From: bruce mallon
Topic: 871 Message: 872

im here and with luck will have a station on 49 mhz by
summer

--- allanegleston <allanegleston@...> wrote:

> Hope you ayll ahd good holiday times and hope at
> least that some of u
> got to broadcast holliday mx. have a great new year.
> Allan Egleston,
> radio k-allan
>
>
>
>

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873. Re: [49MHz] is anyone there

Yahoo group: 49megahertz
Date: 2006-02-25 04:23:14 UTC
From: Steven Coles
Topic: 871 Message: 873

Allan & Bruce,

I'd like to know what you like about 49 MHz.

For me the band has developed an almost magical quality. For $3 to $5 each value stores provide a variety of transmitters, receivers, and transceivers. Six-meter ham receiving converters also work for 49-MHz.

Receiving antennas are small enough to experiment with inside my apartment. They are also big enough to avoid overly critical dimensions.

I seems at least 50% of the time I want to try something, 49 MHz is the fastest, easiest and least expensive band to try it on. If I come up with something I want to use for ham radio, QSYing to the 6-meter ham band is often little more than changing crystals and retuning.

49 MHz itself is a band where ingenuity accomplishes more than big spending.

How about your interests in 49 MHz?

73,

Steven

--- In 49megahertz@yahoogroups.com, bruce mallon <wa4gch@...> wrote:
>
> im here and with luck will have a station on 49 mhz by
> summer
>
> --- allanegleston <allanegleston@...> wrote:
>
> > Hope you ayll ahd good holiday times and hope at
> > least that some of u
> > got to broadcast holliday mx. have a great new year.
> > Allan Egleston,
> > radio k-allan
> >
> >
> >
> >
>
>
> _____

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>

874. re: is any one out there

Yahoo group: 49megahertz
Date: 2006-02-26 20:46:42 UTC
From: allanegleston
Topic: 874 Message: 874

I like the 49 m.c. band due the fact that it is comvenient(meaning that ther is still gear available for 49. m.c., and is becoming less crowed than in years past. One with a police scanner or a t.v that has channel 1 on it can recive the band. I like the fact that one can broadcast on this band and have reasonable signal strength for operations(100 mw for 40 m.c vs a fiew mili-volts for 88-108 fm). THe 1750 kc band is unavailable for me due to the fact that the gear is homebuilt. (am not a builder- a soldering iron and I are a dangerous weapon, This one could use one of the new(cold flame irns on the market) Hope this helps Radio kallan.

875. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2006-03-01 14:44:38 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 875

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

876. 49Mhz base stations!!!!! x2

Yahoo group: 49megahertz
Date: 2006-01-29 00:15:13 UTC
From: Jim Henderson
Topic: 876 Message: 876

Hi all

posted some time ago about trying to find an old GE homebase then two come along at once!!!

I'm selling these via ebay, go have a look!!!

877. Topic off

Yahoo group: 49megahertz
Date: 2006-03-09 04:13:04 UTC
From: rc@gronerth.com
Topic: 877 Message: 877

HI

I know this group is for 47Mhz, and no for 27.145Mhz, this is the reason why i put in the title "Topic off"

I want to increse my radio control in order to control a robot.for long range (3 km or less)

this is the schematic, i copy from the radio control
http://electronic.gronerth.com/images/TX27Mhz@... is for 20 mts.

I found this schematic by internet http://www.electronics-lab.com/projects/rf/018/

and i wanted to bluid it for my radio control
http://electronic.gronerth.com/images/TX27Mhz2Wattsa.gif

But other people said me, i have 2 problems, the first, it is in BC139 (for me it was a big problem, and i changed it by BD139

The second problem is this transmitter is AM, and maybe my radio control is FM. and i think my radio control is FM.

How can i improve the range of my radio control?, Help, Help, Help, Help

Hugo

878. Re: [49MHz] Topic off

Yahoo group: 49megahertz
Date: 2006-03-09 03:21:25 UTC
From: KD7JYK, 49H7KR
Topic: 878 Message: 878

Actually, the list is for 49 MHz, not 47 MHz. For longer range, increase antenna length on the receiver.

Kurt
----- Original Message -----
From: rc@...
To: 49megahertz@yahoogroups.com
Sent: Wednesday, March 08, 2006 20:13
Subject: [49MHz] Topic off

HI

I know this group is for 47Mhz, and no for 27.145Mhz, this is the reason why i put in the title "Topic off"

I want to increse my radio control in order to control a robot.for long
range (3 km or less)

this is the schematic, i copy from the radio control
http://electronic.gronerth.com/images/TX27Mhz@50mtsSCH.gif is for 20 mts.

I found this schematic by internet http://www.electronics-lab.com/projects/rf/018/

and i wanted to bluid it for my radio control
http://electronic.gronerth.com/images/TX27Mhz2Wattsa.gif

But other people said me, i have 2 problems, the first, it is in BC139 (for me it was a big problem, and i changed it by BD139

The second problem is this transmitter is AM, and maybe my radio control is FM. and i think my radio control is FM.

How can i improve the range of my radio control?, Help, Help, Help, Help

Hugo

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879. Re: [49MHz] Topic off

Yahoo group: 49megahertz
Date: 2006-03-09 04:31:01 UTC
From: rc@gronerth.com
Topic: 878 Message: 879

HI

I have a radio control for 30 mts, i said me, if i increase antenna length on the receiver, i would be able to transmitter to 3 Kms?. The Antenna could be like a wire, in other words, the shape could be as a non-line?

Yes, i made a mistake, this is for 49 Mhz, just 2 mhz

Hugo
----- Original Message -----
From: KD7JYK, 49H7KR
To: 49megahertz@yahoogroups.com
Sent: Wednesday, March 08, 2006 9:21 PM
Subject: Re: [49MHz] Topic off

Actually, the list is for 49 MHz, not 47 MHz. For longer range, increase antenna length on the receiver.

Kurt
----- Original Message -----
From: rc@...
To: 49megahertz@yahoogroups.com
Sent: Wednesday, March 08, 2006 20:13
Subject: [49MHz] Topic off

HI

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and i wanted to bluid it for my radio control
http://electronic.gronerth.com/images/TX27Mhz2Wattsa.gif

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How can i improve the range of my radio control?, Help, Help, Help, Help

Hugo

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880. Re: [49MHz] Topic off

Yahoo group: 49megahertz
Date: 2006-03-09 05:37:33 UTC
From: KD7JYK, 49H7KR
Topic: 878 Message: 880

If you change frequency to 27.255 MHz, you can increase power to 25W with no antenna limitation on transmitter, this should get range to 15+ Km.

Kurt
----- Original Message -----
From: rc@...
To: 49megahertz@yahoogroups.com
Sent: Wednesday, March 08, 2006 20:31
Subject: Re: [49MHz] Topic off

HI

I have a radio control for 30 mts, i said me, if i increase antenna length on the receiver, i would be able to transmitter to 3 Kms?. The Antenna could be like a wire, in other words, the shape could be as a non-line?

Yes, i made a mistake, this is for 49 Mhz, just 2 mhz

Hugo
----- Original Message -----
From: KD7JYK, 49H7KR
To: 49megahertz@yahoogroups.com
Sent: Wednesday, March 08, 2006 9:21 PM
Subject: Re: [49MHz] Topic off

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Kurt
----- Original Message -----
From: rc@...
To: 49megahertz@yahoogroups.com
Sent: Wednesday, March 08, 2006 20:13
Subject: [49MHz] Topic off

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But other people said me, i have 2 problems, the first, it is in BC139 (for me it was a big problem, and i changed it by BD139

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Hugo

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881. Re: [49MHz] Topic off

Yahoo group: 49megahertz
Date: 2006-03-09 08:52:34 UTC
From: rc@gronerth.com
Topic: 878 Message: 881

Hi

Thank for your solution, i think it could help me.

If my transmitter has 0.2 watts, the 9 Vol and i supposed 0.022 A, if i want to increase the power to 25W, i need to increse the voltage from 9 Vol to 102 Vol and concencuently the current to 0,25A

Maybe the transistor could be burned?, this is just a hobbie

Hugo

----- Original Message -----
From: KD7JYK, 49H7KR
To: 49megahertz@yahoogroups.com
Sent: Wednesday, March 08, 2006 11:37 PM
Subject: Re: [49MHz] Topic off

If you change frequency to 27.255 MHz, you can increase power to 25W with no antenna limitation on transmitter, this should get range to 15+ Km.

Kurt
----- Original Message -----
From: rc@...
To: 49megahertz@yahoogroups.com
Sent: Wednesday, March 08, 2006 20:31
Subject: Re: [49MHz] Topic off

HI

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Yes, i made a mistake, this is for 49 Mhz, just 2 mhz

Hugo
----- Original Message -----
From: KD7JYK, 49H7KR
To: 49megahertz@yahoogroups.com
Sent: Wednesday, March 08, 2006 9:21 PM
Subject: Re: [49MHz] Topic off

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Kurt
----- Original Message -----

From: rc@gronerth.com
To: 49megahertz@yahoogroups.com
Sent: Wednesday, March 08, 2006 20:13
Subject: [49MHz] Topic off

HI

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I want to increse my radio control in order to control a robot.for long range (3 km or less)

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http://electronic.gronerth.com/images/TX27Mhz@... is for 20 mts.

I found this schematic by internet http://www.electronics-lab.com/projects/rf/018/

and i wanted to bluid it for my radio control
http://electronic.gronerth.com/images/TX27Mhz2Wattsa.gif

But other people said me, i have 2 problems, the first, it is in BC139 (for me it was a big problem, and i changed it by BD139

The second problem is this transmitter is AM, and maybe my radio control is FM. and i think my radio control is FM.

How can i improve the range of my radio control?, Help, Help, Help, Help

Hugo

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882. Re: [49MHz] Topic off

Yahoo group: 49megahertz
Date: 2006-03-09 15:56:19 UTC
From: Dave
Topic: 878 Message: 882

--- In 49megahertz@yahoogroups.com, "KD7JYK, 49H7KR" <kd7jyk@...> wrote:
>
> If you change frequency to 27.255 MHz, you can increase power to 25W
with no antenna limitation on transmitter, this should get range to
15+ Km.
>
> Kurt

Be a little careful with such suggestions. Some countries require
that transmitters in the 27MHz area (especially high power ones) be
"type accepted", and thus that makes them off-limits for home-brewing.
While there are exceptions for low power transmitters (e.g., Part 15),
these rules vary by the frequencies involved, and also by the
countries (e.g., Not all countries have Part 15 exemptions). Thus,
before building any type of transmitter, it's a good idea to check
the laws in one's country.

Having said that, one of the better solutions may be to improve the
efficiency of the receiver. Most short range remote control types of
devices have rather poor receivers (e.g., superregenerative) [1].
By using a receiver which provides better selectivity, better noise
immunity, and better amplification, it may be possible to detect a
relatively weak radio signal from much father away [2].

[1] Perhaps I should qualify this statement. Superregenerative
receivers are extremely efficient at doing what they were designed
to do, which is receive a relatively strong radio signal with a
minimum of components (cheap). However, they tend to be very
broadbanded, and somewhat noisy ("rush-boxes"). It may be possible
to detect a weaker signal (lower transmitter power, longer distance)
with a receiver which has a narrower bandwidth, better selectivity,
and better noise immunity. Unfortunately, such receivers are not
necessarily simple to build.

[2] I think the terresterial record is something like over 4,000
miles for a 40 milliWatt signal. The space record is even larger,
having been set by some of the early interstellar space probes
(Pioneer 10, Pioneer 11), which have had their 15 Watt signal
received at many billions of miles.

In any case, the first step would be to make sure that a maximum
amount of signal is reaching the receiver, possibly by installing
a longer antenna. Ideally, a resonant antenna should be used,
although this may be excessively long for a robotic application
while using the 27 MHz band (since a quarter wave antenna would need
to be about 9 feet long). One option may be to inductively or

capacitively load a short antenna to make it resonant. Another approach may be to helically wind the wire so that the required length only takes up a shorter linear distance (e.g., Helically wind the 9 feet of wire around a rod so that the rod is only 4 feet long, or something like that.).

It may also be possible to include an RF amplifier circuit in the receiver to boost the received signal level prior to the receiver itself. A high input impedance FET circuit may be especially useful if a short "voltage probe" antenna is being used.

Another option is to look at alternate frequency bands. The 27 MHz band was chosen at a time when it was historically one of the higher frequencies that could be easily generated. Of course, technology has improved over the past few decades, and there are much higher frequency bands available now. For example, quite a few of the key-fob remote control devices for automobiles use either 415 or 433 MHz (433 MHz for Europe, 415 MHz for North America). Antennas for such UHF frequencies are MUCH shorter than for 27 MHz, and, as an addition, directional antennas can be made which are small enough to be portable.

Yet another idea would be to use either an infrared or visible light to control the device. Laser pointers are relatively cheap, can be easily modulated, and can easily be received over many kilometers of distance. Of course, they do require a clear line of sight between the transmitter and receiver.

Dave

883. Baby Alarm - Bandwidth

Yahoo group: 49megahertz
Date: 2006-03-09 21:22:11 UTC
From: Andy Barber
Topic: 883 Message: 883

I have a Fisher-Price 49Mhz baby alarm. Could I canabilise it to remotely record to my PC, (i.e. speaker o/p to phono jacks)? If so what is the bandwidth of a message sent on 49Mhz?

Regards
Andy Barber

884. Re: [49MHz] Topic off

Yahoo group: 49megahertz
Date: 2006-03-10 15:07:16 UTC
From: Skip Talker
Topic: 878 Message: 884

CB channel 23? Don't think it is legal, and interference from CBers would have that robot break dancing.

From: "KD7JYK, 49H7KR"
Reply-To: 49megahertz@yahoogroups.com
To: <49megahertz@yahoogroups.com>
Subject: Re: [49MHz] Topic off
Date: Wed, 8 Mar 2006 21:37:33 -0800

If you change frequency to 27.255 MHz, you can increase power to 25W with no antenna limitation on transmitter, this should get range to 15+ Km.

Kurt

----- Original Message -----

From: rc@...

To: 49megahertz@yahoogroups.com

Sent: Wednesday, March 08, 2006 20:31

Subject: Re: [49MHz] Topic off

HI

I have a radio control for 30 mts, i said me, if i increase antenna length on the receiver, i would be able to transmitter to 3 Kms?. The Antenna could be like a wire, in other words, the shape could be as a non-line?

Yes, i made a mistake, this is for 49 Mhz, just 2 mhz

Hugo

----- Original Message -----

From: KD7JYK, 49H7KR

To: 49megahertz@yahoogroups.com

Sent: Wednesday, March 08, 2006 9:21 PM

Subject: Re: [49MHz] Topic off

Actually, the list is for 49 MHz, not 47 MHz. For longer range, increase antenna length on the receiver.

Kurt

----- Original Message -----

From: rc@...

To: 49megahertz@yahoogroups.com

Sent: Wednesday, March 08, 2006 20:13

Subject: [49MHz] Topic off

HI

I know this group is for 47Mhz, and no for 27.145Mhz, this is the reason why i put in the title "Topic off"

I want to increse my radio control in order to control a robot.for long range (3 km or less)

this is the schematic, i copy from the radio control http://electronic.gronerth.com/images/TX27Mhz@... is for 20 mts.

I found this schematic by internet http://www.electronics-lab.com/projects/rf/018/

and i wanted to bluid it for my radio control http://electronic.gronerth.com/images/TX27Mhz2Wattsa.gif

But other people said me, i have 2 problems, the first, it is in BC139 (for me it was a big problem, and i changed it by BD139

The second problem is this transmitter is AM, and maybe my radio control is FM. and i think my radio control is FM.

How can i improve the range of my radio control?, Help, Help, Help, Help

Hugo

SPONSORED LINKS

Craft hobby (http://groups.yahoo.com/gads?t=ms&k=Craft+hobby&w1=Craft+hobby&w2=Hobby+and+craft+supply&w3=Ham+radio&c=3&s=60&.sig=YqiuyVwjnQFdynnsmMwVWg)

Hobby and craft supply (http://groups.yahoo.com/gads?t=ms&k=Hobby+and+craft+supply&w1=Craft+hobby&w2=Hobby+and+craft+supply&w3=Ham+radio&c=3&s=60&.sig=VduRJqNqUo9QkUiTI-knAA)

Ham radio (http://groups.yahoo.com/gads?t=ms&k=Ham+radio&w1=Craft+hobby&w2=Hobby+and+craft+supply&w3=Ham+radio&c=3&s=60&.sig=sl_TRqZTiP_WHSLe6P3ybA)

YAHOO! GROUPS LINKS

- Visit your group "49megahertz (http://groups.yahoo.com/group/49megahertz)" on the web.

- To unsubscribe from this group, send an email to: 49megahertz-unsubscribe@yahoogroups.com

- Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service (http://docs.yahoo.com/info/terms/).

885. re: topic off

Yahoo group: 49megahertz
Date: 2006-03-10 17:27:13 UTC
From: allanegleston
Topic: 885 Message: 885

I alos understand that the old apollo mammed lunar landings used no more than a few miliwats. radio kallan

886. Re: [49MHz] 49Mhz base stations!!!!! x2

Yahoo group: 49megahertz
Date: 2006-03-04 13:02:16 UTC
From: soundmanjim
Topic: 886 Message: 886

blimey i posted that months ago!!!

erm..if anybody still would like to see them, e mail me direct and i can send pictures, there are two ge homebases (crystal controlled rx and tx, 49.860Mhz AM) and two small regen handhelds.

soundmanjim@...
----- Original Message -----
From: Jim Henderson
To: 49megahertz@yahoogroups.com
Sent: Sunday, January 29, 2006 12:15 AM
Subject: [49MHz] 49Mhz base stations!!!!! x2

Hi all

posted some time ago about trying to find an old GE homebase then two
come along at once!!!

I'm selling these via ebay, go have a look!!!

SPONSORED LINKS Craft hobby Hobby and craft supply Ham radio

YAHOO! GROUPS LINKS

a.. Visit your group "49megahertz" on the web.

b.. To unsubscribe from this group, send an email to:
49megahertz-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.1.375 / Virus Database: 268.1.2/274 - Release Date: 03/03/2006

887. Re: [49MHz] 49Mhz base stations!!!!! x2

Yahoo group: 49megahertz
Date: 2006-03-17 16:06:12 UTC
From: KB3HFP
Topic: 886 Message: 887

On Mar 4, 2006, at 8:02 AM, soundmanjim wrote:

> blimey i posted that months ago!!!

Sorry... for some reason the Yahoo Group was holding your messages
for moderation, but I wasn't getting the emails telling me to approve
your posts before they showed up. I should have that fixed now...
sorry for any inconvenience!

888. 49mhz ge bases!

Yahoo group: 49megahertz
Date: 2006-03-22 14:43:17 UTC
From: Jim Henderson
Topic: 888 Message: 888

Hi Bruce (re your direct e mail)

Well i bought these from Ebay some time ago; i used to have a set when i was a kid (age 12) and i remember making many modifications to them over the years, including fitting a mike socket so i could use a cb mike instead of the internal mike, a pl259 on the top instead of the telescopic antenna and re-tuning the mw section to top band!!
They are both in excellent condition and have the matching handhelds.
If anyone is interested in buyimng them from me please feel free to e mail me.

889. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2006-04-01 14:33:05 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 889

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

890. hello

Yahoo group: 49megahertz
Date: 2006-04-21 17:21:01 UTC
From: allanegleston
Topic: 890 Message: 890

where did everyone in this group go? Have all of my necessary items ready to get me up and running on 49 mhz

891. Re: Baby Alarm - Bandwidth

Yahoo group: 49megahertz
Date: 2006-04-08 17:26:52 UTC
From: sealyfoster
Topic: 883 Message: 891

Andy, I am uncertain what you are trying to do. If you want to use the PC to record transmissions from the FP monitor, you just need an appropriate receiver patched to the audio input of the PC. What are you trying to do that necessitates pulling parts from the FP monitor (I have some of these and they do a fine job)?

As for bandwidth, there is not exactly an 'industry' standard. There of course is a maximum deviation allowed (unless the friendly candy company has seen fit to eliminate it) and the bandwidth for that deviation would be twice the deviation. JPL used to allow a slight buffer and consider bandwidth as being 2.2 times the deviation (Doppler et al). However, for most common applications of FM on the 49 MHz band the deviation is usually kept around 5 khz, although I have seen a few users at 7.5 khz. Once in a great while you will see a deviation of 2.5 or 3 khz, so called 'sliverband'. The actual deviation is not that critical other than the passband of the receiver should properly accommodate the width of the signal of interest. If the receiver passband is too wide, the recovered audio level will generally be low. If the receiver passband is too narrow, there will be distortion, possibly to the point of loss of intelligence of the signal. Finally, there is a slight consideration for bndwidth depending on if in the transmitter an oscillator is frequency modulated (true FM), or if an amplifier is frequency modulated (PM).

I hope your project is successful.

foster

--- In 49megahertz@yahoogroups.com, "Andy Barber" <acb58@...> wrote:
>
> I have a Fisher-Price 49Mhz baby alarm. Could I canabilise it to
> remotely record to my PC, (i.e. speaker o/p to phono jacks)? If so
> what is the bandwidth of a message sent on 49Mhz?
>
> Regards
> Andy Barber
>

892. Re: [49MHz] Re: Baby Alarm - Bandwidth

Yahoo group: 49megahertz
Date: 2006-04-21 19:26:21 UTC
From: KB3HFP
Topic: 883 Message: 892

Sorry about the time delays approving some messages - right now I have Yahoo! set to have me moderate users' first two messages (to prevent spam), and because of a stupid mistake on my part, I wasn't getting these pending message notices. That's fixed now, so there shouldn't be a problem now.

73!

Michael
Moderator, 49MHz Yahoo Group

894. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2006-05-01 14:05:30 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 894

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

895. Sporadic E Propagation Season Started

Yahoo group: 49megahertz
Date: 2006-05-05 04:23:28 UTC
From: Steven Coles
Topic: 895 Message: 895

49-MHz DXers,

Dave Bernhardt, N7DB, Boring, OR, USA, (amateur radio grid square CN85) reported to the PNWVHFS Google Group that he has heard 10-meter (28.0-29.7 MHz) and worked 6-meter (50-54 MHz) amateur radio stations in California, USA via sporadic E propagation. Sporadic E propagation also produces 600-1200 mile DX on USA TV channels 2 and 3 (54-66 MHz). We're near a sunspot minimum. But the next 3 months will be the northern hemisphere's best chance for 49-MHz sporadic E propagation this year. Six-meter amateur radio and TV sporadic E are good indicators or times to try 49-MHz sporadic E tests.

The southern hemisphere sporadic E propagation season occurs in November, December, and January.

Happy listening,

Steven

896. Sporadic E Propagation Reports

Yahoo group: 49megahertz
Date: 2006-05-20 05:04:40 UTC
From: Steven Coles
Topic: 896 Message: 896

All,

The PNWVHFS (Pacific Northwest VHF Society) reflector reported more propagation activity than I expected.

More operators should be on the air on Saturday and Sunday. If you hear propagation of interest to 49-MHz operators, please post to this Yahoo 49-MHz Experimental Group.

You can find the PNWVHFS reflectors

http://groups.google.com/group/PNWVHFS

Good communicating,

Steven, 49H7SC, KD7YTE

897. 50 MHz is Open

Yahoo group: 49megahertz
Date: 2006-05-21 15:05:06 UTC
From: Steven Coles
Topic: 897 Message: 897

All,

The 50-MHz North America (NA 6m) map

http://www.vhfdx.net/spots/map.php?Lan=E&Frec=50&Map=NA

is showing DX activity.

Happy communicating,

Steven

898. Sporadic-E Reports Except Arizona & Nevada?

Yahoo group: 49megahertz
Date: 2006-05-21 20:03:36 UTC
From: Steven Coles
Topic: 898 Message: 898

All,

While (except for wildly fluctuating noise levels) I'm not hearing anything on my indoor antenna and minimalist converter, the amateur radio 50-MHz North American (NA 6) map at

http://www.vhfdx.net/spots/map.php?Lan=E&Frec=50&Map=NA

has been showing multiple sporadic-E propagation paths increasing in the Rocky Mountains and North American west coast for several hours. This bodes well for 49-MHz experiments.

Only Arizona & Nevada have not reported multiple contacts. Anything to report?

Best regards,

Steven

899. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2006-06-01 23:55:23 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 899

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

900. Your System Block Diagram

Yahoo group: 49megahertz
Date: 2006-06-10 22:50:16 UTC
From: Steven Coles
Topic: 900 Message: 900

All,

I'd like to see others' system diagrams.

My 6-meter and Part-15 receiving diagram is in the System Diagrams photo album. I have not yet built the LF preamplifier and 50-MHz Moxon antenna. The remainder of the diagram is "as built."

How is your station interconnected?

Happy operating,

Steven, 49H7SC, KD7YTE

901. re: your system block diagram

Yahoo group: 49megahertz
Date: 2006-06-10 23:52:34 UTC
From: allanegleston
Topic: 901 Message: 901

Heres a simple schematic for u on regrading radio k-allan, sonora ,ca.
record player(includes tape and cdss====== microphone= in hardware mixer
===7m (49 m.c) and 88-108 f.m tx out ======= 3foot moible
antenna.73s allan.

902. Re: your system block diagram

Yahoo group: 49megahertz
Date: 2006-06-11 01:38:08 UTC
From: Steven Coles
Topic: 901 Message: 902

Allan,

Thank you.

Having a visual representation of the setups gives me a clearer idea
of others' installations.

Happy operating,

Steven

--- In 49megahertz@yahoogroups.com, "allanegleston"
<allanegleston@...> wrote:
>
> Heres a simple schematic for u on regrading radio k-allan,
sonora ,ca.
> record player(includes tape and cdss====== microphone= in
hardware mixer
> ===7m (49 m.c) and 88-108 f.m tx out ======= 3foot
moible
> antenna.73s allan.
>

903. New Graphic Site - READ ME FIRST - DO NOT OPEN THE OTHER E-MAIL FROM MY ACCOUNT

Yahoo group: 49megahertz
Date: 2006-06-12 20:47:40 UTC
From: Peter Abraham - KB7INO
Topic: 903 Message: 903

Hello,

Please do not open the other e-mail from my account
with the subject "New Graphic Site".

It seems to be some type of virus e-mail.

Please delete it, once you open it, it seems to send
out e-mails from your account.

I apologize for the inconvenience this may have cause.

-Peter
KB7INO

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

907. [Admin] Group Temporarily Moderated

Yahoo group: 49megahertz
Date: 2006-06-13 04:09:20 UTC
From: Michael
Topic: 907 Message: 907

Hey everyone,

FYI, the 49megahertz group will temporarily be set to Moderated status because of the worm-infected emails being sent out on YahooGroups the last few days.

The worm, JS.Yamanner@m, targets users of Yahoo! Mail, and works via an JavaScript vulnerability. If you open one of these emails within Yahoo! Mail, the worm will copy the email addresses in your contacts and send the virus on to all your contacts with Yahoo! or YahooGroups email addresses.

If you get one of these emails (with the subject "New Graphics Site"), do *NOT* open it. Delete
it immediately. If you're using a mail client other than Yahoo! Mail (i.e Outlook, Mac OS X Mail, etc., you don't have anything to worry about, the virus won't affect you.

Sorry for any inconvenience - the group will go back to unmoderated status in a few days when things clear up a little.

73!

Michael / 49H3MA
List Moderator

908. How do I make an efficent 49 MHz dipole antenna for outdoors.

Yahoo group: 49megahertz
Date: 2006-06-19 23:04:57 UTC
From: Adam E.
Topic: 908 Message: 908

Hello, I am interested in making actually I want to make my own 49 MHz dipole to hook up to my scanning receiver. I also want to see how would they perform. I have 2 poles outside and I want to install a good array of antennas out there to open up new life in my monitoring DX equipment. Can someone help me with this? Steve? Michael? anyone?

Adam E. Virginia Beach VA 23452
49N4AE DX/Monitor Hobbyist

909. Re: How do I make an efficent 49 MHz dipole antenna for outdoors.

Yahoo group: 49megahertz
Date: 2006-06-20 03:52:09 UTC
From: Steven Coles
Topic: 908 Message: 909

Adam,

I'm going to embed some information you already know in hopes of making this post useful to other readers.

Everybody has an opinion about 50-MHz antennas. And they're all correct. This is a frequency where anything works. Two points: First, anything that works for the 6-meter amateur radio band (50-54 MHz) will work for 49.860 MHz. To optimize an antenna cut for the 50.125-MHz SSB calling frequency increase all lengths by 50.125/49.860 = 1.005. But that's unnecessary perfectionism. Second, expect to use the same antenna for 49-MHz Part-15 reception, SWLing 6-meter amateur radio, and DXing channel 2 TV (54-60 MHz).

You may want to mount the antenna so it can be set to vertical or horizontal polarization. Vertical provides the best reception of HTs (handheld transceivers) and most mobile communications near 50-MHz. Horizontal provides the best reception of amateur radio DX hunters and contesters and TV DX.

Here are some 6-meter amateur radio dipole sites:

http://www.dxzone.com/cgi-bin/dir/jump2.cgi?ID=7536

http://www.ecs.umass.edu/ece/allerton/papers1999/05/

Scroll down to antennas and click on

ldx.zip

http://www.hamuniverse.com/6mdipolekk5id.html

If you find you have a taste for 49-MHz narrow-band experiments, listening to amateur radio DX and volunteer emergency communications, and TV DX, you may want to replace your dipole with a Moxon or Yagi. If you build a center-supported dipole, you can later use it as the driven element of a Yagi.

Before building an antenna, you can model it using the EZNEC demonstration version from

http://www.eznec.com/demoinfo.htm

Happy communicating,

Steven

--- In 49megahertz@yahoogroups.com, "Adam E." <gccengineering@...> wrote:

>
>
>
> Hello, I am interested in making actually I want to make my own
49
> MHz dipole to hook up to my scanning receiver. I also want to see
> how would they perform. I have 2 poles outside and I want to
install
> a good array of antennas out there to open up new life in my
monitoring
> DX equipment. Can someone help me with this? Steve? Michael?
anyone?
>
> Adam E. Virginia Beach VA 23452
> 49N4AE DX/Monitor Hobbyist
>

910. Modem

Yahoo group: 49megahertz
Date: 2006-06-22 22:33:25 UTC
From: KD7JYK
Topic: 910 Message: 910

A few years ago I saw a 49 MHz 100mW 9600 full duplex modem with external antenna. Does anyone have one of these or know where I can get one or two?

Kurt
49H7KR

911. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2006-07-01 19:50:16 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 911

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

912. holliday boradcasting

Yahoo group: 49megahertz
Date: 2006-07-05 16:44:28 UTC
From: allanegleston
Topic: 912 Message: 912

Did any body do any broadcasting over the fourth????
73 de Allan Egleston kf6uxj-radio k-allan

913. up and running!

Yahoo group: 49megahertz
Date: 2006-07-22 21:20:40 UTC
From: allanegleston
Topic: 913 Message: 913

Radio k-allan did its first test broadcast of the season using 49.86
mega cycles and a radio shack miker and a Generic baby monitor
modified to accept a 1/8 th mini jack to an emerson
turntable/tapeplayer /cd changer combination. Music played : south
seas islands music.
Aloha and 73 de Allan egleston kallan kfxuxj and kf6uxj ham radio service.

914. Re: On The Air Light is Lit!

Yahoo group: 49megahertz
Date: 2006-07-22 21:46:32 UTC
From: Steven Coles
Topic: 913 Message: 914

Allan,

Congratulations!

And I love that South Seas Island and Polynesian music.

Happy broadcasting,

Steven, KD7YTE, 49H7SC

--- In 49megahertz@yahoogroups.com, "allanegleston"
<allanegleston@...> wrote:
>
> Radio k-allan did its first test broadcast of the season using
49.86
> mega cycles and a radio shack miker and a Generic baby monitor
> modified to accept a 1/8 th mini jack to an emerson
> turntable/tapeplayer /cd changer combination. Music played : south
> seas islands music.
> Aloha and 73 de Allan egleston kallan kfxuxj and kf6uxj ham radio
service.
>

915. Re: On The Air Light is Lit!

Yahoo group: 49megahertz
Date: 2006-07-22 22:45:58 UTC
From: allanegleston
Topic: 913 Message: 915

Thanks . it seems that a number of the eldery folk living in the small apartment complex have scanners, so it would seem that there may be a listener base. Please note: This one realizes that this is just a hobby for me. This one likes all aspects of radio. And am now on the hunt for more south seas islands mx. PLike swing band jazz also. On of my next chores is to copy from cassette tape to vhs tape which would give me about 8 hrs of mx. Cant afford a ipod at this time. will wait for them to come down in price or ask santa for one(yes This one still belives!).
73 de allan kallan kare kf6uxj kfx(experimtal)uxj. Aloha (South seas mx is a knee jerk raction to rock and roll and country(basicly southern rock yuck!!)

916. Re: On The Air Light is Lit!

Yahoo group: 49megahertz
Date: 2006-07-22 23:46:41 UTC
From: Steven Coles
Topic: 913 Message: 916

Allan,

You just might get your iPod from Santa. Santa gave me my Creative (iPod-like device) as a door prize at a free National Instruments seminar. Besides National Instruments, free traveling seminars by Analog Devices, Apex Microtechnology, Freescale Semiconductor, National Semiconductor, On Semiconductor, and, of all the odd things, Sencore Instruments have been well worth attending. All the traveling free semiconductor seminars present new devices and techniques and hand out gobs of literature (paper and CD-ROM), device selection CD-ROMs, and, sometimes, applications disks (or recommended download sites). Once in awhile they give out evaluation boards as door prizes.

Happy broadcasting,

Steven, KD7YTE, 49H7SC

--- In 49megahertz@yahoogroups.com, "allanegleston" <allanegleston@...> wrote:
>
> Thanks . it seems that a number of the eldery folk living in the small
> apartment complex have scanners, so it would seem that there may be a
> listener base. Please note: This one realizes that this is just a
> hobby for me. This one likes all aspects of radio. And am now on the
> hunt for more south seas islands mx. PLike swing band jazz also. On of
> my next chores is to copy from cassette tape to vhs tape which would
> give me about 8 hrs of mx. Cant afford a ipod at this time. will wait
> for them to come down in price or ask santa for one(yes This one
> still belives!).
> 73 de allan kallan kare kf6uxj kfx(experimtal)uxj. Aloha (South seas
> mx is a knee jerk raction to rock and roll and country(basicly
> southern rock yuck!!)
>

917. Are baby monitors are within part FCC 15 rules and regs?

Yahoo group: 49megahertz
Date: 2006-07-23 13:09:27 UTC
From: Adam E.
Topic: 917 Message: 917

I have a question about the radio station is it running under part 15 FCC rules and regulations, also how far was the station going? Also are there any listeners listening? I run a 49 MHz station myself but its not been on the air cause there is a baby monitor in the area and those things are very strong, stronger than a average toy walkie talkie. I took field measurements back in 1995 with my Pro 44 and the fields are strong, stronger than the other radios I have used today.

I am hoping to get my station on the air also, but I will be taking field measurements just to be safe than sorry. Good luck with your radio station. 73

Adam Ebel 49N4AE 49 MHz Radio

918. Re: Are baby monitors are within part FCC 15 rules and regs?

Yahoo group: 49megahertz
Date: 2006-07-23 14:28:43 UTC
From: Steven Coles
Topic: 917 Message: 918

Adam,

On the legal side, a 49-MHz baby monitor with an FCC ID number on the case should be CFR-49, Part-15 compliant□until modified. To be on the cautious side, use acoustic coupling (speaker to microphone in a foam box). Alternatively, if adding a jack, put a couple ferrite beads each on the center and ground leads. The beads prevent to added audio cable from acting as a ground plane and inadvertently hopping up the antenna-ground system.

I doubt a Pro-44 is giving you accurate enough field-strength measurements to judge compliance.

Some Part-15 paragraphs give range limits. I've never figured out how to interpret these. A baby monitor with a 50-foot range to its own receiver with a 6" antenna may be received at 500 feet on scanner with a telescoping/loading-coil antenna, and 5000 feet on a modest receiver with a 50-MHz loop antenna patch to QRSS software.

I've read a number of MedFer web sites and never encountered mention of an operator being busted for a 200 *mile* range. So mostly I stay with the formula given in OET Bulletin No. 63 and hope the FCC will refine and clarify the root rules and regulations in a new revision.

73,

Steven, 49H7SC

--- In 49megahertz@yahoogroups.com, "Adam E." <gccengineering@...>
wrote:
>
>
> I have a question about the radio station is it running under part
15
> FCC rules and regulations, also how far was the station going?
Also
> are there any listeners listening? I run a 49 MHz station myself
but
> its not been on the air cause there is a baby monitor in the area
and
> those things are very strong, stronger than a average toy walkie
> talkie. I took field measurements back in 1995 with my Pro 44 and
the
> fields are strong, stronger than the other radios I have used
today.

>
> I am hoping to get my station on the air also, but I will be
taking
> field measurements just to be safe than sorry. Good luck with your
> radio station. 73
>
> Adam Ebel 49N4AE 49 MHz Radio
>

919. Crystal

Yahoo group: 49megahertz
Date: 2006-07-28 01:05:19 UTC
From: luthier79
Topic: 919 Message: 919

I bought several cheap RC airplanes that didn't work. They have 49Mhz in the plane, but 27Mhz in the transmitter. I would like to replace the crystal in the transmitter to match the receivers, but have not been able to find a source for 49Mhz crystals. I can't understand this, with the proliferation of 49Mhz toys. Do you know where I can locate some 49Mhz crystal?

Thanks,
Bob

920. Re: Crystal

Yahoo group: 49megahertz
Date: 2006-07-28 09:09:29 UTC
From: Steven Coles
Topic: 919 Message: 920

Bob,

The most common exact frequency is 49.86 MHz. You could try Digikey part number X038-ND. It's on page 970 of the on-line catalog at

http://dkc3.digikey.com/PDF/T062/0970.pdf

Usually, a visit to a few value stores finds several children's walkie-talkies containing 49.8XX crystals. Less frequently a radio-control transmitter shows up.

However, the harder part of getting the transmitter on 49.86 MHz will be rewinding the coil and figuring out the capacitor values. You might have to replace the transistor. The most common transistor for 49.86-MHz toys is the 2SC9018. You could try the parts values shown in the 49-MHz toy walkie-talkie in the photo section or values salvaged from value-store purchases.

Then, (assuming you want to use the transmitter with the planes) as the transmitters are the wrong ones, there's the question of the transmitter modulation mode matching the receive mode which might be AM tone (usual in 27-MHz toy cars), low-end digital (also used in some 27-MHz toy cars), proportional pulse width (the analog method for medium quality airplanes□and the old standard on 72-MHz), high-end digital (usually used on 72 MHz and probably not what you have), or who knows what else.

Steven

--- In 49megahertz@yahoogroups.com, "luthier79" <luthier@...> wrote:
>
> I bought several cheap RC airplanes that didn't work. They have 49Mhz
> in the plane, but 27Mhz in the transmitter. I would like to replace
> the crystal in the transmitter to match the receivers, but have not
> been able to find a source for 49Mhz crystals. I can't understand
> this, with the proliferation of 49Mhz toys. Do you know where I can
> locate some 49Mhz crystal?
>
> Thanks,
> Bob
>

921. Re: [49MHz] Re: Crystal

Yahoo group: 49megahertz
Date: 2006-07-28 19:06:00 UTC
From: Bob Tice
Topic: 921 Message: 921

Steven,
Thanks for the reply. I think I already tried replacing it with a 49.86, and it worked, but the range was much worse than should be. I guess that is why the cap, coil & transistor also need replacing? Is that called tuning?
I thought the plane could be 49.00Mhz, since it only said 49, and didn't specify anything more specific. Is this unlikely, and it would actually be 49.86? I thought the reason the 49.86 worked moderately was because it was close, but not exact enough?
That is why I was looking for a 49.00Mhz.
I'm going on vacation in a couple days, so can't work on it now, but when I get back, I want to look at the plane again and check on the details. I'll try some things and email you back then if I need more help. Let me know now though if you have any reply to my above notes. Thanks again for your help. My children thank you.

Bob

----- Original Message -----
From: Steven Coles
To: 49megahertz@yahoogroups.com
Sent: Friday, July 28, 2006 5:09 AM
Subject: [49MHz] Re: Crystal

Bob,

The most common exact frequency is 49.86 MHz. You could try Digikey part number X038-ND. It's on page 970 of the on-line catalog at

http://dkc3.digikey.com/PDF/T062/0970.pdf

Usually, a visit to a few value stores finds several children's walkie-talkies containing 49.8XX crystals. Less frequently a radio-control transmitter shows up.

However, the harder part of getting the transmitter on 49.86 MHz will be rewinding the coil and figuring out the capacitor values. You might have to replace the transistor. The most common transistor for 49.86-MHz toys is the 2SC9018. You could try the parts values shown in the 49-MHz toy walkie-talkie in the photo section or values salvaged from value-store purchases.

Then, (assuming you want to use the transmitter with the planes) as the transmitters are the wrong ones, there's the question of the transmitter modulation mode matching the receive mode which might be AM tone (usual in 27-MHz toy cars), low-end digital (also used in some 27-MHz toy cars), proportional pulse width (the analog method for medium quality airplanes-and the old standard on 72-MHz), high-end digital (usually used on 72 MHz and probably not what you have), or who knows what else.

Steven

--- In 49megahertz@yahoogroups.com, "luthier79" <luthier@...> wrote:
>
> I bought several cheap RC airplanes that didn't work. They have
49Mhz
> in the plane, but 27Mhz in the transmitter. I would like to
replace
> the crystal in the transmitter to match the receivers, but have
not
> been able to find a source for 49Mhz crystals. I can't understand
> this, with the proliferation of 49Mhz toys. Do you know where I
can
> locate some 49Mhz crystal?
>
> Thanks,
> Bob
>

922. [49MHz] Re: Crystal

Yahoo group: 49megahertz
Date: 2006-07-28 19:36:35 UTC
From: Steven Coles
Topic: 921 Message: 922

Bob,

Those are excellent indications. You won't need to change any parts. You will need to adjust (tune) coils (probably one each in the transmitter and receiver). Hopefully, I'll get a short method written over the weekend. I'll post it here so it can accumulate additional comments by the time you return.

Steven

--- In 49megahertz@yahoogroups.com, "Bob Tice" <luthier@...> wrote:
>
> Steven,
> Thanks for the reply. I think I already tried replacing it with a 49.86, and it worked, but the range was much worse than should be. I guess that is why the cap, coil & transistor also need replacing? Is that called tuning?
> I thought the plane could be 49.00Mhz, since it only said 49, and didn't specify anything more specific. Is this unlikely, and it would actually be 49.86? I thought the reason the 49.86 worked moderately was because it was close, but not exact enough?
> That is why I was looking for a 49.00Mhz.
> I'm going on vacation in a couple days, so can't work on it now, but when I get back, I want to look at the plane again and check on the details. I'll try some things and email you back then if I need more help. Let me know now though if you have any reply to my above notes. Thanks again for your help. My children thank you.
>
> Bob
>
> ----- Original Message -----
> From: Steven Coles
> To: 49megahertz@yahoogroups.com
> Sent: Friday, July 28, 2006 5:09 AM
> Subject: [49MHz] Re: Crystal
>
>
> Bob,
>
> The most common exact frequency is 49.86 MHz. You could try Digikey
> part number X038-ND. It's on page 970 of the on-line catalog at
>
> http://dkc3.digikey.com/PDF/T062/0970.pdf
>

> Usually, a visit to a few value stores finds several children's
> walkie-talkies containing 49.8XX crystals. Less frequently a
radio-
> control transmitter shows up.
>
> However, the harder part of getting the transmitter on 49.86 MHz
> will be rewinding the coil and figuring out the capacitor
values.
> You might have to replace the transistor. The most common
> transistor for 49.86-MHz toys is the 2SC9018. You could try the
> parts values shown in the 49-MHz toy walkie-talkie in the photo
> section or values salvaged from value-store purchases.
>
> Then, (assuming you want to use the transmitter with the planes)
as
> the transmitters are the wrong ones, there's the question of the
> transmitter modulation mode matching the receive mode which
might be
> AM tone (usual in 27-MHz toy cars), low-end digital (also used
in
> some 27-MHz toy cars), proportional pulse width (the analog
method
> for medium quality airplanes-and the old standard on 72-MHz),
high-
> end digital (usually used on 72 MHz and probably not what you
have),
> or who knows what else.
>
> Steven
>
> --- In 49megahertz@yahoogroups.com, "luthier79" <luthier@> wrote:
> >
> > I bought several cheap RC airplanes that didn't work. They
have
> 49Mhz
> > in the plane, but 27Mhz in the transmitter. I would like to
> replace
> > the crystal in the transmitter to match the receivers, but
have
> not
> > been able to find a source for 49Mhz crystals. I can't
understand
> > this, with the proliferation of 49Mhz toys. Do you know where
I
> can
> > locate some 49Mhz crystal?
> >
> > Thanks,
> > Bob
> >

>

923. [49MHz] Re: Crystal

Yahoo group: 49megahertz
Date: 2006-07-29 20:39:41 UTC
From: Steven Coles
Topic: 921 Message: 923

Bob,

Hopefully your receiver has a fairly simple schematic like the receiver diagram at

http://jap.hu/electronic/rf/rx.gif

If so, you can trace it and find the needed control-tone (audio-frequency) amplifier.

In addition to fresh batteries and the tools needed to open the transmitter and model airplane, you will need:
An audio transformer such as Radio Shack 273-1380,
A 1/8 inch audio jack such as Radio Shack 274-246,
Consumer headphones or ear buds,
A non-metallic tuning tool such as Radio Shack 64-2230, and
A helper.

If the Radio Shack tuning tools don't fit the coil slugs in your transmitter and receiver, you can fabricate a tuning tool by shaping any thin non-metallic rod such as a knitting needle. You could cut the end off an RS 64-2230 tool and reshape it.

This is painful the first time through. But once you have the general idea you can apply it in a number of cases where you need to peak up a simple RF circuit without expensive instruments.
Connect the transformer's white wire to the jack's sleeve (outer contact). Connect the transformer's red wire to the jack's tip (rearmost contact).
Locate the receiver's first or second tone amplifier. In the circuit linked to above, these are the 2SC1815 transistors. (Very old receivers will likely use 2SC945s as the control-tone amplifiers. Receivers using 2SC9018 transistors in the superegenerative detector will usually use 2SC9013s or 2SC9014s in the tone amplifiers). Connect the transformer's blue wire to the positive battery line. Connect the transformer's green wire to one of the tone amplifier's transistor's collector. Chances are the first amplifier stage will have less clipping. The lower clipping will allow better judgment of volume. Plug the headphones or ear buds into the 1/8 inch jack.
Turn on the transmitter and receiver. Move them apart until reception becomes marginal. Using the non-metallic tuning tool adjust the slug in the transmitter coil for maximum received volume. This tunes the transmitter coil to the transmitter's crystal. Tune the receiver coil's slug for maximum volume. This tunes the receiver to the transmitter's frequency.

If the received volume did not increase, the coils were already properly tuned. If the received volume increased greatly, move the transmitter and receiver further apart and again tune to the two coils.

Of course using a basic VOM (volt-ohm meter) or DMM (digital multimeter) with an AC & audio volts function gives a more objective indication than listening. And a very sensitive field strength meter would be even better for tuning the transmitter end. We could very easily get into using a $20,000 equipment stack to tune up a low-end R/C model. Performing the completely professional tune up might increase the range 10% or 15%.

I hope this plus other group member's ideas will work for you.

Steven

--- In 49megahertz@yahoogroups.com, "Bob Tice" <luthier@...> wrote:
>
> Steven,
> Thanks for the reply. I think I already tried replacing it with a 49.86, and it worked, but the range was much worse than should be. I guess that is why the cap, coil & transistor also need replacing? Is that called tuning?
> I thought the plane could be 49.00Mhz, since it only said 49, and didn't specify anything more specific. Is this unlikely, and it would actually be 49.86? I thought the reason the 49.86 worked moderately was because it was close, but not exact enough?
> That is why I was looking for a 49.00Mhz.
> I'm going on vacation in a couple days, so can't work on it now, but when I get back, I want to look at the plane again and check on the details. I'll try some things and email you back then if I need more help. Let me know now though if you have any reply to my above notes. Thanks again for your help. My children thank you.
>
> Bob
>

924. Re: [49MHz] Re: Crystal

Yahoo group: 49megahertz
Date: 2006-07-29 20:49:37 UTC
From: Bob Tice
Topic: 921 Message: 924

Wow, thanks. I'll try it out (hopefully soon) and let you know how it works out.

Bob

----- Original Message -----
From: Steven Coles
To: 49megahertz@yahoogroups.com
Sent: Saturday, July 29, 2006 4:39 PM
Subject: [49MHz] Re: Crystal

Bob,

Hopefully your receiver has a fairly simple schematic like the
receiver diagram at

http://jap.hu/electronic/rf/rx.gif

If so, you can trace it and find the needed control-tone (audio-
frequency) amplifier.

In addition to fresh batteries and the tools needed to open the
transmitter and model airplane, you will need:
An audio transformer such as Radio Shack 273-1380,
A 1/8 inch audio jack such as Radio Shack 274-246,
Consumer headphones or ear buds,
A non-metallic tuning tool such as Radio Shack 64-2230, and
A helper.

If the Radio Shack tuning tools don't fit the coil slugs in your
transmitter and receiver, you can fabricate a tuning tool by shaping
any thin non-metallic rod such as a knitting needle. You could cut
the end off an RS 64-2230 tool and reshape it.

This is painful the first time through. But once you have the
general idea you can apply it in a number of cases where you need to
peak up a simple RF circuit without expensive instruments.
Connect the transformer's white wire to the jack's sleeve (outer
contact). Connect the transformer's red wire to the jack's tip
(rearmost contact).
Locate the receiver's first or second tone amplifier. In the
circuit linked to above, these are the 2SC1815 transistors. (Very
old receivers will likely use 2SC945s as the control-tone
amplifiers. Receivers using 2SC9018 transistors in the
superegenerative detector will usually use 2SC9013s or 2SC9014s in
the tone amplifiers). Connect the transformer's blue wire to the
positive battery line. Connect the transformer's green wire to one
of the tone amplifier's transistor's collector. Chances are the

first amplifier stage will have less clipping. The lower clipping will allow better judgment of volume. Plug the headphones or ear buds into the 1/8 inch jack.
Turn on the transmitter and receiver. Move them apart until reception becomes marginal. Using the non-metallic tuning tool adjust the slug in the transmitter coil for maximum received volume. This tunes the transmitter coil to the transmitter's crystal. Tune the receiver coil's slug for maximum volume. This tunes the receiver to the transmitter's frequency.
If the received volume did not increase, the coils were already properly tuned. If the received volume increased greatly, move the transmitter and receiver further apart and again tune to the two coils.

Of course using a basic VOM (volt-ohm meter) or DMM (digital multimeter) with an AC & audio volts function gives a more objective indication than listening. And a very sensitive field strength meter would be even better for tuning the transmitter end. We could very easily get into using a $20,000 equipment stack to tune up a low-end R/C model. Performing the completely professional tune up might increase the range 10% or 15%.

I hope this plus other group member's ideas will work for you.

Steven

--- In 49megahertz@yahoogroups.com, "Bob Tice" <luthier@...> wrote:
>
> Steven,
> Thanks for the reply. I think I already tried replacing it with a 49.86, and it worked, but the range was much worse than should be. I guess that is why the cap, coil & transistor also need replacing? Is that called tuning?
> I thought the plane could be 49.00Mhz, since it only said 49, and didn't specify anything more specific. Is this unlikely, and it would actually be 49.86? I thought the reason the 49.86 worked moderately was because it was close, but not exact enough?
> That is why I was looking for a 49.00Mhz.
> I'm going on vacation in a couple days, so can't work on it now, but when I get back, I want to look at the plane again and check on the details. I'll try some things and email you back then if I need more help. Let me know now though if you have any reply to my above notes. Thanks again for your help. My children thank you.
>
> Bob
>

925. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2006-08-02 00:55:00 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 925

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

926. re: suggested frequencies

Yahoo group: 49megahertz
Date: 2006-08-02 21:35:15 UTC
From: allanegleston
Topic: 926 Message: 926

I use one of the 49.86
For some reason my yahoo spam eater eats up your message on this subject.
Thinks this is spam not spam good.
Having fun wiht radio kallan.
WIll be getting some more 78 rpm records soon.
73 de Allan radio kallan, kare, kfxux j (experimtal) kf6uxj

927. Amateur Radio Bonus

Yahoo group: 49megahertz
Date: 2006-08-05 10:49:52 UTC
From: Steven Coles
Topic: 927 Message: 927

Homebrewing Amateur Radio Operators,

Divide the output of any baby monitor channel by 2. Use an modified
FM input tuned circuit to select the 3rd harmonic. Again triple
from the 3rd harmonic. Here's what you get:

49.830/2 = 24.9150; 3*24.9150 = 74.7450; 3*74.7450 = 224.2350
49.845/2 = 24.9225; 3*24.9225 = 74.7675; 3*74.7675 = 224.3025
49.860/2 = 24.9300; 3*24.9300 = 74.7900; 3*74.7900 = 224.3700
49.875/2 = 24.9375; 3*24.9375 = 74.8125; 3*74.8125 = 224.4375
49.890/2 = 24.9450; 3*24.9450 = 74.8350; 3*74.8350 = 224.5050

Unfortunately, those frequencies fall in the repeater output range.
Recrystalling a baby monitor for 49.334 to 49.711 and using the
above method does produce output frequencies below the repeater
output segment. As the 49 MHz harmonics don't fall in the band, the
49 MHz source can be left on during receive.

49.830*3*3 = 448.470
49.845*3*3 = 448.605
49.860*3*3 = 448.740
49.875*3*3 = 448.875
49.890*3*3 = 449.010

Happy building,

Steven, 49H7SC, KD7YTE

928. [49MHz] Amateur Radio Bonus

Yahoo group: 49megahertz
Date: 2006-08-05 15:02:00 UTC
From: allanegleston
Topic: 928 Message: 928

INteristing idear, I forgot all about the freq fundemtal math stuff.
That would be nice to make a quicki 2 or 6 m base,

929. re: Amateur Radio Bonus

Yahoo group: 49megahertz
Date: 2006-08-05 16:09:47 UTC
From: allanegleston
Topic: 927 Message: 929

Once u get into the repeater inputs , then one has to deal with the repeaters pl tone if any, sounds like fun.

930. Re: Amateur Radio Bonus

Yahoo group: 49megahertz
Date: 2006-08-05 18:01:16 UTC
From: Steven Coles
Topic: 927 Message: 930

Allan,

There are a lot of consumer components available□if we want to figure out how to use them. FRS radios often yield transistors with markings like "R25."

Taking R25 to

http://www.tkb-4u.com/code/smdcode/

Returns R25, 2SC3356, NEC, SOT23, NPN, RF Ft = 7 GHz Hfe 125-250

But I have now yet figured out the FRS RF output amplifiers.

46-MHz cordless phones, 49-MHz baby monitors, and FRS transceivers all yield MC3361-based IF strips. FM receivers contain converters that should work as 50-MHz and 144-MHz to HF converters. TV Tuners have chips that should work as 222-MHz to 50-MHz or HF converters. Chances are some of these chips will up convert.

I plan to duplicate this information to a ham homebrew group and see if anybody sees any *real* obstacles to covering 1.8-MHz through 450-MHz ham bands with consumer components.

http://groups.yahoo.com/group/radioexperimenter/

or

http://groups.yahoo.com/group/emrfd/

As EMRFD (Experimental Methods in RF Design) broke 200 members in its first 5 weeks and is active, it's my first choice.

Cheers,

Steven, 49H7SC, KD7YTE

--- In 49megahertz@yahoogroups.com, "allanegleston" <allanegleston@...> wrote:
>
> Once u get into the repeater inputs , then one has to deal with the
> repeaters pl tone if any, sounds like fun.
>

931. big broadcast

Yahoo group: 49megahertz
Date: 2006-08-06 22:57:46 UTC
From: allanegleston
Topic: 931 Message: 931

Spent a lazy afternoon playing phonograph records , cds and broadcast them on 49.85 Played the likes of glenn miller, victory @ sea, and more. Am hoping to crecord some of my tapes to vhs tape for 8 hours of non stop mx. That way this one doesnt have to cue the stuff and just let it run! Hope that some of u can do same! Great fun. c.u.l 73 de radio k=allan.

932. Re: [49MHz] big broadcast

Yahoo group: 49megahertz
Date: 2006-08-06 23:32:29 UTC
From: KD7JYK
Topic: 932 Message: 932

Do you give a phone number, mailing address or e-mail address to find out if you have any listeners?

Kurt

----- Original Message -----
From: allanegleston <allanegleston@...>
To: <49megahertz@yahoogroups.com>
Sent: Sunday, August 06, 2006 15:57
Subject: [49MHz] big broadcast

Spent a lazy afternoon playing phonograph records , cds and broadcast them on 49.85 Played the likes of glenn miller, victory @ sea, and more. Am hoping to crecord some of my tapes to vhs tape for 8 hours of non stop mx. That way this one doesnt have to cue the stuff and just let it run! Hope that some of u can do same! Great fun. c.u.l 73 de radio k=allan.

933. re: big broadcast

Yahoo group: 49megahertz
Date: 2006-08-07 01:59:15 UTC
From: allanegleston
Topic: 931 Message: 933

No , not yet. Probably most people dont listen to 49 mhz on their scanner as a rule, but i do know that some of the residents in my small apartment complex have scanners. so it would be fun to see if those folks can hear me. 73 de ALlan.

934. Re: big broadcast

Yahoo group: 49megahertz
Date: 2006-08-07 03:57:50 UTC
From: Old Jay
Topic: 931 Message: 934

There's a number of folks who have used VHS tapes for long audio tapes
Some VHS machines provide excellent fidelity with no wow/flutter.
You're also providing a much needed service by playing real music
which few broadcast stations play any more.

--- In 49megahertz@yahoogroups.com, "allanegleston"
<allanegleston@...> wrote:
>
> Spent a lazy afternoon playing phonograph records , cds and broadcast
> them on 49.85 Played the likes of glenn miller, victory @ sea, and
> more. Am hoping to crecord some of my tapes to vhs tape for 8 hours of
> non stop mx. That way this one doesnt have to cue the stuff and just
> let it run! Hope that some of u can do same! Great fun. c.u.l 73 de
> radio k=allan.
>

935. re:big broadcast

Yahoo group: 49megahertz
Date: 2006-08-07 14:34:35 UTC
From: allanegleston
Topic: 931 Message: 935

A friend who is acting like an elmer on this project, suggested even a long play d.v.d.disk. This one dosent have acces to a multi cd disk player, so this methold will work for me. The mx that I mentioned is a knee jerk reaction to post 1980's rock and roll and country mx (basicly southern rock. I also understand bluegrass went " rock" .eech) 73 Allan.

936. Re: big broadcast (in stereo)

Yahoo group: 49megahertz
Date: 2006-08-07 15:31:28 UTC
From: Adam E.
Topic: 932 Message: 936

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@...> wrote:
>
> Do you give a phone number, mailing address or e-mail address to find out if
> you have any listeners?
>
> Kurt
>
> ----- Original Message -----
> From: allanegleston <allanegleston@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Sunday, August 06, 2006 15:57
> Subject: [49MHz] big broadcast
>
>
> Spent a lazy afternoon playing phonograph records , cds and broadcast
> them on 49.85 Played the likes of glenn miller, victory @ sea, and
> more. Am hoping to crecord some of my tapes to vhs tape for 8 hours of
> non stop mx. That way this one doesnt have to cue the stuff and just
> let it run! Hope that some of u can do same! Great fun. c.u.l 73 de
> radio k=allan.
>

K-Allan : Ever thought of using 2 different transmitters and play one on the Left side on 49.860 MHz and the Right side on 49.830 or 49.405 on the right, then use 2 receivers, plug one receiver on the left channel and the other on the right? I thought about doing this but never got to it. The stereo seperation would be better also. To make it easy I would take 2 kit receivers and connect each one in the headphone amplifier and I know you would get great 49 MHz AM stereo. I talked to Steven about this, I will have to try it today. Maybe record a sound sample Just a suggestion.

Adam E.
gccengineering 49N4AE on 49.405 and 49.860 MHz (coming in AM LoVHF stereo soon)

937. Re: [49MHz] Re: big broadcast (in stereo)

Yahoo group: 49megahertz
Date: 2006-08-07 16:25:43 UTC
From: KD7JYK
Topic: 937 Message: 937

There have been numerous 49 MHz FM stereo transmitters on ebay for the past year or so.

Kurt

----- Original Message -----
From: Adam E. <gccengineering@...>

K-Allan : Ever thought of using 2 different transmitters and play one on the Left side on 49.860 MHz and the Right side on 49.830 or 49.405 on the right, then use 2 receivers, plug one receiver on the left channel and the other on the right? I thought about doing this but never got to it. The stereo seperation would be better also. To make it easy I would take 2 kit receivers and connect each one in the headphone amplifier and I know you would get great 49 MHz AM stereo. I talked to Steven about this, I will have to try it today. Maybe record a sound sample Just a suggestion.

938. New file uploaded to 49megahertz

Yahoo group: 49megahertz
Date: 2006-08-07 16:44:20 UTC
From: 49megahertz@yahoogroups.com
Topic: 3 Message: 938

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the 49megahertz
group.

File : /49 MHz Transmission Test Files/49 MHz AM stereo transmission - under test.mp3
Uploaded by : gccengineering <gccengineering@...>
Description : 49 MHz stereo transmission using a duplex transmitter on 49.405 for right channel and 49.860 on the left (main audio anyways)

You can access this file at the URL:
http://groups.yahoo.com/group/49megahertz/files/49%20MHz%20Transmission%20Test%20Files/49%20MHz%20AM%20stereo%20transmission%20-%20under%20test.mp3

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

gccengineering <gccengineering@...>

939. [49MHz] Re: big broadcast (in stereo)

Yahoo group: 49megahertz
Date: 2006-08-07 20:20:56 UTC
From: Adam E.
Topic: 937 Message: 939

Kurt, Thanks for letting me about that, but at least I got it working right so my AM transmissions will be in stereo instead of being mono sounded. You should try it out. I will look into getting a 49 MHz FM stereo transmitter, thanks for telling me, but for now I will just use what I have now.

GCC 49 MHz Radio ((ST)) 49.405/49.860 PART 15
gccengineering

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@...> wrote:
>
> There have been numerous 49 MHz FM stereo transmitters on ebay for the past
> year or so.
>
> Kurt
>
> ----- Original Message -----
> From: Adam E. <gccengineering@...>
>
> K-Allan : Ever thought of using 2 different transmitters and play
> one on the Left side on 49.860 MHz and the Right side on 49.830 or
> 49.405 on the right, then use 2 receivers, plug one receiver on
> the left channel and the other on the right? I thought about doing
> this but never got to it. The stereo seperation would be better
> also. To make it easy I would take 2 kit receivers and connect
> each one in the headphone amplifier and I know you would get great
> 49 MHz AM stereo. I talked to Steven about this, I will have to
> try it today. Maybe record a sound sample Just a suggestion.
>

940. [49MHz] Re: big broadcast (in stereo)

Yahoo group: 49megahertz
Date: 2006-08-07 20:26:05 UTC
From: Adam E.
Topic: 937 Message: 940

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@...> wrote:
>
> There have been numerous 49 MHz FM stereo transmitters on ebay for
the past
> year or so.
>
> Kurt
>
I checked Ebay they don't have them, when did you see
them?

> ----- Original Message -----
> From: Adam E. <gccengineering@...>
>
> K-Allan : Ever thought of using 2 different transmitters and play
> one on the Left side on 49.860 MHz and the Right side on 49.830 or
> 49.405 on the right, then use 2 receivers, plug one receiver on
> the left channel and the other on the right? I thought about
doing
> this but never got to it. The stereo seperation would be better
> also. To make it easy I would take 2 kit receivers and connect
> each one in the headphone amplifier and I know you would get great
> 49 MHz AM stereo. I talked to Steven about this, I will have to
> try it today. Maybe record a sound sample Just a suggestion.
>

941. Re: [49MHz] Re: big broadcast (in stereo)

Yahoo group: 49megahertz
Date: 2006-08-07 22:12:25 UTC
From: KD7JYK
Topic: 937 Message: 941

I have seen the TX's on and off over the past year or so, just deleted one
that popped up in my searches last week, will check and forward any item
numbers I come across.

Kurt

----- Original Message -----
From: Adam E. <gccengineering@...>
To: <49megahertz@yahoogroups.com>
Sent: Monday, August 07, 2006 13:26
Subject: [49MHz] Re: big broadcast (in stereo)

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@...> wrote:
>
> There have been numerous 49 MHz FM stereo transmitters on ebay for
the past
> year or so.
>
> Kurt
>
I checked Ebay they don't have them, when did you see
them?

> ----- Original Message -----
> From: Adam E. <gccengineering@...>
>
> K-Allan : Ever thought of using 2 different transmitters and play
> one on the Left side on 49.860 MHz and the Right side on 49.830 or
> 49.405 on the right, then use 2 receivers, plug one receiver on
> the left channel and the other on the right? I thought about
doing
> this but never got to it. The stereo seperation would be better
> also. To make it easy I would take 2 kit receivers and connect
> each one in the headphone amplifier and I know you would get great
> 49 MHz AM stereo. I talked to Steven about this, I will have to
> try it today. Maybe record a sound sample Just a suggestion.
>

942. Re: [49MHz] Re: big broadcast (in stereo)

Yahoo group: 49megahertz
Date: 2006-08-07 22:51:47 UTC
From: KD7JYK
Topic: 937 Message: 942

Just took a quick look on ebay, didn't see anything. There was several units floating around for the longest time, they were "commercial" or "professional" units for transmitting to wireless headphones. They were gray or white in color, had a wiring harness, opening bid was about $10 or so. I couldn't think of a use for them so kept deleting the favorite searches e-mail. If they pop up in my searches again, I'll post the info here.

Kurt

943. [49MHz] Re: big broadcast (in stereo)

Yahoo group: 49megahertz
Date: 2006-08-07 23:00:48 UTC
From: Adam E.
Topic: 937 Message: 943

Kurt, I really appreciate it, but I don't have a paypal account or credit card to use for Ebay. I am just a cheap hobbyist for now also I am just using what I have for now. The transmitter I didn't use before is added to my transmission link. Is there any other place than Ebay, cause I don't know how to bid or own credit cards or checking accounts, I am lucky if I can do money order or personal check.

Thanks anyways.

Adam E.

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@...> wrote:
>
> Just took a quick look on ebay, didn't see anything. There was several
> units floating around for the longest time, they were "commercial" or
> "professional" units for transmitting to wireless headphones. They were
> gray or white in color, had a wiring harness, opening bid was about $10 or
> so. I couldn't think of a use for them so kept deleting the favorite
> searches e-mail. If they pop up in my searches again, I'll post the info
> here.
>
> Kurt
>

944. Re: [49MHz] Re: big broadcast (in stereo)

Yahoo group: 49megahertz
Date: 2006-08-07 23:40:33 UTC
From: KD7JYK
Topic: 937 Message: 944

Most sellers accept cash or money orders. MO's are 23 cents at WalMart, 50 cent from Western Union or 95 cents plus from the post office if you really want to get reamed... $9 is pretty cheap for a commercial transmitter...

Kurt

----- Original Message -----
From: Adam E. <gccengineering@...>
To: <49megahertz@yahoogroups.com>
Sent: Monday, August 07, 2006 16:00
Subject: [49MHz] Re: big broadcast (in stereo)

Kurt, I really appreciate it, but I don't have a paypal account or credit card to use for Ebay. I am just a cheap hobbyist for now also I am just using what I have for now. The transmitter I didn't use before is added to my transmission link. Is there any other place than Ebay, cause I don't know how to bid or own credit cards or checking accounts, I am lucky if I can do money order or personal check.

Thanks anyways.

Adam E.

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@...> wrote:
>
> Just took a quick look on ebay, didn't see anything. There was several
> units floating around for the longest time, they were "commercial" or
> "professional" units for transmitting to wireless headphones. They were
> gray or white in color, had a wiring harness, opening bid was about $10 or
> so. I couldn't think of a use for them so kept deleting the favorite
> searches e-mail. If they pop up in my searches again, I'll post the info
> here.
>
> Kurt
>

945. re: big broadcast

Yahoo group: 49megahertz
Date: 2006-08-09 19:37:02 UTC
From: allanegleston
Topic: 931 Message: 945

has anyone thought of using a digital answering machine for i.d and announcements ? THanks in advance , allan

946. Re: [49MHz] re: big broadcast

Yahoo group: 49megahertz
Date: 2006-08-10 11:48:10 UTC
From: larry allen
Topic: 946 Message: 946

I am still puzzled as to why you fellows are getting your ham licence and using 6 meters... This is not meant as a put down, just a strong level of curiosity....
Larry ve3fxq

----- Original Message -----
From: "allanegleston" <allanegleston@...>
To: <49megahertz@yahoogroups.com>
Sent: Wednesday, August 09, 2006 3:37 PM
Subject: [49MHz] re: big broadcast

has anyone thought of using a digital answering machine for i.d and announcements ? THanks in advance , allan

947. Re: [49MHz] re: big broadcast

Yahoo group: 49megahertz
Date: 2006-08-10 13:43:06 UTC
From: bruce mallon
Topic: 946 Message: 947

Do you meen NOT GETTING a license?
I think most here are hams..... doing what hams do
best making things work past the normal ....

Bruce WA4GCH
http://www.qrz.com/wa4gch

--- larry allen <larya@...> wrote:

> I am still puzzled as to why you fellows are getting
> your ham licence and
> using 6 meters... This is not meant as a put down,
> just a strong level of
> curiosity....
> Larry ve3fxq
>
> ----- Original Message -----
> From: "allanegleston" <allanegleston@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Wednesday, August 09, 2006 3:37 PM
> Subject: [49MHz] re: big broadcast
>
>
> has anyone thought of using a digital answering
> machine for i.d and
> announcements ? THanks in advance , allan
>
>
>
>
>

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

948. Re: [49MHz] re: big broadcast

Yahoo group: 49megahertz
Date: 2006-08-10 13:47:39 UTC
From: larry allen
Topic: 946 Message: 948

Yes... sorry...
I am wondering why 49 mhz operators don't seem to be doing this stuff on 6 meters...
Why are you doing this on 49 mhz?...
Larry ve3fxq

----- Original Message -----
From: "bruce mallon" <wa4gch@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 9:43 AM
Subject: Re: [49MHz] re: big broadcast

> Do you meen NOT GETTING a license?
> I think most here are hams..... doing what hams do
> best making things work past the normal ....
>
> Bruce WA4GCH
> http://www.qrz.com/wa4gch
>
>
> --- larry allen <larya@...> wrote:
>
>> I am still puzzled as to why you fellows are getting
>> your ham licence and
>> using 6 meters... This is not meant as a put down,
>> just a strong level of
>> curiosity....
>> Larry ve3fxq
>>
>> ----- Original Message -----
>> From: "allanegleston" <allanegleston@...>
>> To: <49megahertz@yahoogroups.com>
>> Sent: Wednesday, August 09, 2006 3:37 PM
>> Subject: [49MHz] re: big broadcast
>>
>>
>> has anyone thought of using a digital answering
>> machine for i.d and
>> announcements ? THanks in advance , allan
>>
>>
>>
>>
>>
>>
>

>
> _____
> Do You Yahoo!?
> Tired of spam? Yahoo! Mail has the best spam protection around
> http://mail.yahoo.com
>

949. Re: [49MHz] re: big broadcast

Yahoo group: 49megahertz
Date: 2006-08-10 13:49:55 UTC
From: larry allen
Topic: 946 Message: 949

Is n't sort of like playing with the upper part of the broadcast band rather than using 160 meters?...
I don't feel like pushing my point, I am just very curious as to why so much interest in 49 mhz when 6 meters offers so much more... and please don't ask what 6 meters offers....
Larry

----- Original Message -----
From: "bruce mallon" <wa4gch@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 9:43 AM
Subject: Re: [49MHz] re: big broadcast

> Do you meen NOT GETTING a license?
> I think most here are hams..... doing what hams do
> best making things work past the normal ....
>
> Bruce WA4GCH
> http://www.qrz.com/wa4gch
>
>
> --- larry allen <larya@...> wrote:
>
>> I am still puzzled as to why you fellows are getting
>> your ham licence and
>> using 6 meters... This is not meant as a put down,
>> just a strong level of
>> curiosity....
>> Larry ve3fxq
>>
>> ----- Original Message -----
>> From: "allanegleston" <allanegleston@...>
>> To: <49megahertz@yahoogroups.com>
>> Sent: Wednesday, August 09, 2006 3:37 PM
>> Subject: [49MHz] re: big broadcast
>>
>>
>> has anyone thought of using a digital answering
>> machine for i.d and
>> announcements ? THanks in advance , allan
>>
>>
>>
>>
>>

>
>
> _____
> Do You Yahoo!?
> Tired of spam? Yahoo! Mail has the best spam protection around
> http://mail.yahoo.com
>

950. re: bigboradcaswt

Yahoo group: 49megahertz
Date: 2006-08-10 14:08:23 UTC
From: allanegleston
Topic: 950 Message: 950

Well we can broadcast her unlike on the ham bands and if i were to run 6 ,. there would be lots of qrm to tvs here in this apartment. 2 the fm band power limits suck. There is also the issue of capture effect and thatwould cause hetrodyne and we dont wat that. Try it u might just like it.

951. Re: [49MHz] re: bigboradcaswt

Yahoo group: 49megahertz
Date: 2006-08-10 14:14:10 UTC
From: larry allen
Topic: 951 Message: 951

MMMMMM no signature.....
I am slowly getting back to component level experimenting.. but my choice would still be 6 meters....
Larry ve3fxq

----- Original Message -----
From: "allanegleston" <allanegleston@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 10:08 AM
Subject: [49MHz] re: bigboradcaswt

Well we can broadcast her unlike on the ham bands and if i were to run 6 ,. there would be lots of qrm to tvs here in this apartment. 2 the fm band power limits suck. There is also the issue of capture effect and thatwould cause hetrodyne and we dont wat that. Try it u might just like it.

952. Re: [49MHz] re: big broadcast

Yahoo group: 49megahertz
Date: 2006-08-10 15:25:20 UTC
From: KD7JYK
Topic: 946 Message: 952

"and please don't ask what 6 meters offers.... Larry"

6m offers twelve years of monitoring and the only signal heard is yourself kerchunking a repeater ONCE in those twelve years to see if your radio still works...

Kurt

953. Re: Hams on Part-15

Yahoo group: 49megahertz
Date: 2006-08-10 15:26:21 UTC
From: Steven Coles
Topic: 951 Message: 953

Larry,

Another thing is that Icom and Yaesu users don't seem to know how to use their rigs to jam homebrewers on 49.830-49.890 MHz. A major mover and shaker around here openly encourages members of his net to "discourage" ham radio operators from using their licenses for controlling model aircraft. I know two hams who got their licenses for just that purpose. Not wanting their $3500 models put into the ground, they moved back to 72 MHz.

Then I've spoken with new hams who got the recommended $750 transceivers only to find out new hams either have to kowtow to the right people or operate from rare grid square. Otherwise, they're frozen out from talking to anyone but their own buddies. Some of these folks can talk to their other frozen out buddies with $40 FRS transceivers. Ham radio brought them no new contacts.

Outside of a retro 75-meter AM phone and some local members of

http://groups.yahoo.com/group/radioexperimenter/

(mostly inactive) and

http://groups.yahoo.com/group/emrfd/

There's nobody interested in technical rag chews. And it's just easier to use Part-15 and the internet groups and avoid those who think, "We bought 100% band ownership with our high-priced rigs." Lots of new hams sell off their rigs after a year or two.

I am scratch building some ham gear. But it will mostly be run on a dummy load. It's not worth the money to take the "band owners" to court□especially considering the ARRL is expected to either be neutral or side with the hams who buy stations form QST's largest advertisers.

73,

Steven, 49H7SC, KD7YTE

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> MMMMMM no signature.....
> I am slowly getting back to component level experimenting.. but my
choice
> would still be 6 meters....
> Larry ve3fxq

>

954. Re: [49MHz] re: bigboradcaswt

Yahoo group: 49megahertz
Date: 2006-08-10 15:27:57 UTC
From: larry allen
Topic: 951 Message: 954

> Well we can broadcast her unlike on the ham bands and if i were to run
> 6 ,. there would be lots of qrm to tvs here in this apartment. 2 the
> fm band power limits suck. There is also the issue of capture effect
> and thatwould cause hetrodyne and we dont wat that. Try it u might
> just like it.

Somehow, I still think it is because you don't want to get your ham licence.... the licence is easier than it has ever been before....

You don't have to give up your qrp rigs to get onto 6 meters.. granted I can't show you schematics of low power 6 meter radios but you can do your own searching....

Someone, also, told me that he didn't like the kind of person he met of 6 meters.....I was in my teens when I got my ham licence.. most of the fellows I met on ham radio where old enough to have kids my age...

But that didn't stop me from furthering my ham hobby...

Larry ve3fxq

----- Original Message -----
From: "larry allen" <larya@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 10:14 AM
Subject: Re: [49MHz] re: bigboradcaswt

> MMMMMM no signature.....
> I am slowly getting back to component level experimenting.. but my
> choice
> would still be 6 meters....
> Larry ve3fxq
>
> ----- Original Message -----
> From: "allanegleston" <allanegleston@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Thursday, August 10, 2006 10:08 AM
> Subject: [49MHz] re: bigboradcaswt
>
>
> Well we can broadcast her unlike on the ham bands and if i were to run
> 6 ,. there would be lots of qrm to tvs here in this apartment. 2 the
> fm band power limits suck. There is also the issue of capture effect
> and thatwould cause hetrodyne and we dont wat that. Try it u might
> just like it.
>
>

>
>
>
>

955. Re: [49MHz] re: bigboradcaswt

Yahoo group: 49megahertz
Date: 2006-08-10 15:29:01 UTC
From: larry allen
Topic: 951 Message: 955

I am not trying to critizise....
Larry

----- Original Message -----
From: "larry allen" <larya@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 10:14 AM
Subject: Re: [49MHz] re: bigboradcaswt

> MMMMMM no signature.....
> I am slowly getting back to component level experimenting.. but my
> choice
> would still be 6 meters....
> Larry ve3fxq
>
> ----- Original Message -----
> From: "allanegleston" <allanegleston@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Thursday, August 10, 2006 10:08 AM
> Subject: [49MHz] re: bigboradcaswt
>
>
> Well we can broadcast her unlike on the ham bands and if i were to run
> 6 ,. there would be lots of qrm to tvs here in this apartment. 2 the
> fm band power limits suck. There is also the issue of capture effect
> and thatwould cause hetrodyne and we dont wat that. Try it u might
> just like it.
>
>
>
>
>
>

956. Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-10 15:50:01 UTC
From: Steven Coles
Topic: 951 Message: 956

Larry,

You can find very nice inexpensive SSB transceiver projects suited to 6-meter amateur radio in Experimental Methods in RF Design chapters 6 and following (an ARRL publication).

Besides a Technician+ amateur radio license I have a commercial GROL. Apparently, I need to get general and extra class licenses to make my point. I know another man who obtained amateur radio and commercial licenses who had no intention of ever getting on the air.

Steven, 49H7SC, KD7YTE

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> Somehow, I still think it is because you don't want to get your ham
> licence.... the licence is easier than it has ever been before....
>
> You don't have to give up your qrp rigs to get onto 6 meters.. granted I
> can't show you schematics of low power 6 meter radios but you can do your
> own searching....
>
> Someone, also, told me that he didn't like the kind of person he met of 6
> meters.....I was in my teens when I got my ham licence.. most of the
> fellows I met on ham radio where old enough to have kids my age...
>
> But that didn't stop me from furthering my ham hobby...
>
> Larry ve3fxq
>
> ----- Original Message -----
> From: "larry allen" <larya@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Thursday, August 10, 2006 10:14 AM
> Subject: Re: [49MHz] re: bigboradcaswt
>
>

957. Re: [49MHz] Re: Hams on Part-15

Yahoo group: 49megahertz
Date: 2006-08-10 15:52:54 UTC
From: larry allen
Topic: 957 Message: 957

You do come from a different world than me....
Though I have virtually no interest in radio control, the concept does excite me... I was at a local hobby show and saw feather lite weight radio control airplanes.. the control much impressed me.. It was able a quarter the size of a postage stamp and just able as light....
With regards to 'freezing out their buddies'... perhaps you could reexplain that one to me.... I can't follow your grammar....
The one thing about the new licence 'we' have, called the basic, is the most new hams have very little understanding of technology... They buy their radios but don't learn how to use them....
Our local club repeater is used so infrequently that I often leave it on late into the night because there is no activity to remind me that it is on.....

I will agree with you that there is no technical ragchewing... that should be the mainstay of ham radio... But that should not discourage you from doing it on 52.525.. ..

You can still scratch build and use it on 6 meters.... If the person you contact doesn't understand you.. that is his fault.. please continue the scratch building....

Larry ve3fxq

----- Original Message -----
From: "Steven Coles" <scoles@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 11:26 AM
Subject: [49MHz] Re: Hams on Part-15

Larry,

Another thing is that Icom and Yaesu users don't seem to know how to use their rigs to jam homebrewers on 49.830-49.890 MHz. A major mover and shaker around here openly encourages members of his net to "discourage" ham radio operators from using their licenses for controlling model aircraft. I know two hams who got their licenses for just that purpose. Not wanting their $3500 models put into the ground, they moved back to 72 MHz.

Then I've spoken with new hams who got the recommended $750 transceivers only to find out new hams either have to kowtow to the right people or operate from rare grid square. Otherwise, they're frozen out from talking to anyone but their own buddies. Some of these folks can talk to their other frozen out buddies with $40 FRS transceivers. Ham radio brought them no new contacts.

Outside of a retro 75-meter AM phone and some local members of

http://groups.yahoo.com/group/radioexperimenter/

(mostly inactive) and

http://groups.yahoo.com/group/emrfd/

There's nobody interested in technical rag chews. And it's just easier to use Part-15 and the internet groups and avoid those who think, "We bought 100% band ownership with our high-priced rigs." Lots of new hams sell off their rigs after a year or two.

I am scratch building some ham gear. But it will mostly be run on a dummy load. It's not worth the money to take the "band owners" to court-especially considering the ARRL is expected to either be neutral or side with the hams who buy stations form QST's largest advertisers.

73,

Steven, 49H7SC, KD7YTE

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> MMMMMM no signature.....
> I am slowly getting back to component level experimenting.. but my choice
> would still be 6 meters....
> Larry ve3fxq
>

958. [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Yahoo group: 49megahertz
Date: 2006-08-10 16:28:23 UTC
From: Steven Coles
Topic: 957 Message: 958

Larry,

Sorry. I slipped into the pigeon I grew up with. In my childhood pigeon "freeze out" means refusing to talk to or even acknowledging the existence of.

Yes. 52.525 MHz NBFM simplex could work. Some of us have talked about re-crystalling NBFM baby monitors. As the receiver and transmitter are separate units, it's easy to add a linear to the transmitter and an antenna relay to the overall system. I think with limiting power to ~5 watts and an antenna null in the direction of our most influential detractor we'd mostly be left alone and only rarely jammed.

By the way, are decent, but less expensive than Pasternak VHF & UHF antenna relays available?

Sometimes I dream of a contest like this: The participating homebrew & restoration operators plan stealth tactics within amateur radio R&R. The off-the-shelf operators (who know our calls, but not our plans) prove they could jam us by finding our frequencies and coming on air 20 kHz above or below us. When we detect the symbolic jamming we move to our next tactic. Naturally, everybody keeps logs of including calls, frequency, time, and modulation mode. Both sides would be operating pretty much as we do now, but having fun doing it.

Best regards,

Steven, 49H7SC, KD7YTE

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> You do come from a different world than me....
> Though I have virtually no interest in radio control, the concept does
> excite me... I was at a local hobby show and saw feather lite weight radio
> control airplanes.. the control much impressed me.. It was able a quarter
> the size of a postage stamp and just able as light....
> With regards to 'freezing out their buddies'... perhaps you could
> reexplain that one to me.... I can't follow your grammar....
> The one thing about the new licence 'we' have, called the basic, is the
> most new hams have very little understanding of technology... They buy

> their radios but don't learn how to use them....
> Our local club repeater is used so infrequently that I often leave
it on
> late into the night because there is no activity to remind me that
it is
> on.....
>
> I will agree with you that there is no technical ragchewing...
that should
> be the mainstay of ham radio... But that should not discourage you
from
> doing it on 52.525.. ..
>
> You can still scratch build and use it on 6 meters.... If the
person you
> contact doesn't understand you.. that is his fault.. please
continue the
> scratch building....
>
> Larry ve3fxq
>
>
>
> ----- Original Message -----
> From: "Steven Coles" <scoles@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Thursday, August 10, 2006 11:26 AM
> Subject: [49MHz] Re: Hams on Part-15
>
>
> Larry,
>
> Another thing is that Icom and Yaesu users don't seem to know how
to
> use their rigs to jam homebrewers on 49.830-49.890 MHz. A major
> mover and shaker around here openly encourages members of his net
> to "discourage" ham radio operators from using their licenses for
> controlling model aircraft. I know two hams who got their licenses
> for just that purpose. Not wanting their $3500 models put into the
> ground, they moved back to 72 MHz.
>
> Then I've spoken with new hams who got the recommended $750
> transceivers only to find out new hams either have to kowtow to the
> right people or operate from rare grid square. Otherwise, they're
> frozen out from talking to anyone but their own buddies. Some of
> these folks can talk to their other frozen out buddies with $40 FRS
> transceivers. Ham radio brought them no new contacts.
>
> Outside of a retro 75-meter AM phone and some local members of
>

> http://groups.yahoo.com/group/radioexperimenter/
>
> (mostly inactive) and
>
> http://groups.yahoo.com/group/emrfd/
>
> There's nobody interested in technical rag chews. And it's just
> easier to use Part-15 and the internet groups and avoid those who
> think, "We bought 100% band ownership with our high-priced rigs."
> Lots of new hams sell off their rigs after a year or two.
>
> I am scratch building some ham gear. But it will mostly be run on
a
> dummy load. It's not worth the money to take the "band owners" to
> court-especially considering the ARRL is expected to either be
> neutral or side with the hams who buy stations form QST's largest
> advertisers.
>
> 73,
>
> Steven, 49H7SC, KD7YTE
>
> --- In 49megahertz@yahoogroups.com, "larry allen" <larya@> wrote:
> >
> > MMMMMM no signature.....
> > I am slowly getting back to component level experimenting.. but
my
> choice
> > would still be 6 meters....
> > Larry ve3fxq
> >
>

959. Re: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Yahoo group: 49megahertz
Date: 2006-08-10 16:36:36 UTC
From: larry allen
Topic: 957 Message: 959

I am puzzled by this jamming....
Why would someone jam you?...
Larry

----- Original Message -----
From: "Steven Coles" <scoles@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 12:28 PM
Subject: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Larry,

Sorry. I slipped into the pigeon I grew up with. In my childhood pigeon "freeze out" means refusing to talk to or even acknowledging the existence of.

Yes. 52.525 MHz NBFM simplex could work. Some of us have talked about re-crystalling NBFM baby monitors. As the receiver and transmitter are separate units, it's easy to add a linear to the transmitter and an antenna relay to the overall system. I think with limiting power to ~5 watts and an antenna null in the direction of our most influential detractor we'd mostly be left alone and only rarely jammed.

By the way, are decent, but less expensive than Pasternak VHF & UHF antenna relays available?

Sometimes I dream of a contest like this: The participating homebrew & restoration operators plan stealth tactics within amateur radio R&R. The off-the-shelf operators (who know our calls, but not our plans) prove they could jam us by finding our frequencies and coming on air 20 kHz above or below us. When we detect the symbolic jamming we move to our next tactic. Naturally, everybody keeps logs of including calls, frequency, time, and modulation mode. Both sides would be operating pretty much as we do now, but having fun doing it.

Best regards,

Steven, 49H7SC, KD7YTE

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> You do come from a different world than me....
> Though I have virtually no interest in radio control, the concept
does
> excite me... I was at a local hobby show and saw feather lite

weight radio
> control airplanes.. the control much impressed me.. It was able a
quarter
> the size of a postage stamp and just able as light....
> With regards to 'freezing out their buddies'... perhaps you could
> reexplain that one to me.... I can't follow your grammar....
> The one thing about the new licence 'we' have, called the basic,
is the
> most new hams have very little understanding of technology... They
buy
> their radios but don't learn how to use them....
> Our local club repeater is used so infrequently that I often leave
it on
> late into the night because there is no activity to remind me that
it is
> on.....
>
> I will agree with you that there is no technical ragchewing...
that should
> be the mainstay of ham radio... But that should not discourage you
from
> doing it on 52.525.. ..
>
> You can still scratch build and use it on 6 meters.... If the
person you
> contact doesn't understand you.. that is his fault.. please
continue the
> scratch building....
>
> Larry ve3fxq
>
>
>
> ----- Original Message -----
> From: "Steven Coles" <scoles@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Thursday, August 10, 2006 11:26 AM
> Subject: [49MHz] Re: Hams on Part-15
>
>
> Larry,
>
> Another thing is that Icom and Yaesu users don't seem to know how
to
> use their rigs to jam homebrewers on 49.830-49.890 MHz. A major
> mover and shaker around here openly encourages members of his net
> to "discourage" ham radio operators from using their licenses for
> controlling model aircraft. I know two hams who got their licenses
> for just that purpose. Not wanting their $3500 models put into the
> ground, they moved back to 72 MHz.

>
> Then I've spoken with new hams who got the recommended $750
> transceivers only to find out new hams either have to kowtow to the
> right people or operate from rare grid square. Otherwise, they're
> frozen out from talking to anyone but their own buddies. Some of
> these folks can talk to their other frozen out buddies with $40 FRS
> transceivers. Ham radio brought them no new contacts.
>
> Outside of a retro 75-meter AM phone and some local members of
>
> http://groups.yahoo.com/group/radioexperimenter/
>
> (mostly inactive) and
>
> http://groups.yahoo.com/group/emrfd/
>
> There's nobody interested in technical rag chews. And it's just
> easier to use Part-15 and the internet groups and avoid those who
> think, "We bought 100% band ownership with our high-priced rigs."
> Lots of new hams sell off their rigs after a year or two.
>
> I am scratch building some ham gear. But it will mostly be run on
a
> dummy load. It's not worth the money to take the "band owners" to
> court-especially considering the ARRL is expected to either be
> neutral or side with the hams who buy stations form QST's largest
> advertisers.
>
> 73,
>
> Steven, 49H7SC, KD7YTE
>
> --- In 49megahertz@yahoogroups.com, "larry allen" <larya@> wrote:
> >
> > MMMMMM no signature.....
> > I am slowly getting back to component level experimenting.. but
my
> choice
> > would still be 6 meters....
> > Larry ve3fxq
> >
>

960. Re: [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-10 16:58:03 UTC
From: larry allen
Topic: 960 Message: 960

Hi again...
Besides a Technician+ amateur radio license I have a commercial
GROL. Apparently, I need to get general and extra class licenses to
make my point. I know another man who obtained amateur radio and
commercial licenses who had no intention of ever getting on the air.

Apparently, I need to get general and extra class licenses to
make my point.
Why do you need your general and extra class licences to make your
point?...

Larry

----- Original Message -----
From: "Steven Coles" <scoles@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 11:50 AM
Subject: [49MHz] Re: 6-Meter Transceiver Schematics

Larry,

You can find very nice inexpensive SSB transceiver projects suited
to 6-meter amateur radio in Experimental Methods in RF Design
chapters 6 and following (an ARRL publication).

Besides a Technician+ amateur radio license I have a commercial
GROL. Apparently, I need to get general and extra class licenses to
make my point. I know another man who obtained amateur radio and
commercial licenses who had no intention of ever getting on the air.

Steven, 49H7SC, KD7YTE

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> Somehow, I still think it is because you don't want to get your
ham
> licence.... the licence is easier than it has ever been before....
>
> You don't have to give up your qrp rigs to get onto 6 meters..
granted I
> can't show you schematics of low power 6 meter radios but you can
do your
> own searching....
>
> Someone, also, told me that he didn't like the kind of person he
met of 6
> meters.....I was in my teens when I got my ham licence.. most of

the
> fellows I met on ham radio where old enough to have kids my age...
>
> But that didn't stop me from furthering my ham hobby...
>
> Larry ve3fxq
>
> ----- Original Message -----
> From: "larry allen" <larya@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Thursday, August 10, 2006 10:14 AM
> Subject: Re: [49MHz] re: bigboradcaswt
>
>

961. [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Yahoo group: 49megahertz
Date: 2006-08-10 17:02:47 UTC
From: Steven Coles
Topic: 957 Message: 961

Larry,

The big ticket hams who take exception to the restoration, homebrew, etc. operators paid enough for their commercially-built rigs that they bought 100% band ownership. They are just policing invasions into their bands. Some of them have over US$7500 into their transceivers, linear amplifiers, towers, antennas, software, etc. A few put over US$30,000 into their rovers before putting any radio gear into them. When an operator with US$75 into a homebrew transceiver and wire loop and a paper logbook takes up 10 kHz of their 4 MHz, they get upset.

Even when they don't jam, they'll thereafter refuse to communicate with anyone of their own heard answering a CQ from one of my type.

73,

Steven

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> I am puzzled by this jamming....
> Why would someone jam you?...
> Larry
>

962. [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-10 17:23:26 UTC
From: Steven Coles
Topic: 960 Message: 962

Larry,

Even though some of us discuss our amateur radio activities in threads like the one starting with post 927 and include our amateur radio calls in posts, every 4 or 8 months someone asks why we don't get licensed. The same thing went on in the LUTT Yahoo group during its active period.

73,

Steven

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> Hi again...
> Besides a Technician+ amateur radio license I have a commercial
> GROL. Apparently, I need to get general and extra class licenses
to
> make my point. I know another man who obtained amateur radio and
> commercial licenses who had no intention of ever getting on the
air.
>
> Apparently, I need to get general and extra class licenses to
> make my point.
> Why do you need your general and extra class licences to make your
> point?...
>
> Larry
>

963. Re: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Yahoo group: 49megahertz
Date: 2006-08-10 17:12:53 UTC
From: KD7JYK
Topic: 957 Message: 963

"less expensive than Pasternak VHF & UHF antenna relays available"

Everything is cheaper than Pastercrap which is only mediocre quality as it is. I think he's trying to support a cocaine habit or perhaps saving up for some sort of facial surgery, of course I can only guess based on his appearance, actions and statements... I ran into pastercrotch in '95 where his wares were being peddled at an ARRL convention. Interestingly he wouldn't sell to HAMs, and after considerable discussion, he said, and I quote "We're looking for bigger orders", I said "F--k you very much for your lack of consideration". Start with ebay where everything goes for pocket-change.

Kurt

964. Re: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Yahoo group: 49megahertz
Date: 2006-08-10 17:37:47 UTC
From: KD7JYK
Topic: 957 Message: 964

Lie to them.

Kurt

----- Original Message -----
From: Steven Coles <scoles@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 10:02
Subject: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Larry,

The big ticket hams who take exception to the restoration, homebrew, etc. operators paid enough for their commercially-built rigs that they bought 100% band ownership. They are just policing invasions into their bands. Some of them have over US$7500 into their transceivers, linear amplifiers, towers, antennas, software, etc. A few put over US$30,000 into their rovers before putting any radio gear into them. When an operator with US$75 into a homebrew transceiver and wire loop and a paper logbook takes up 10 kHz of their 4 MHz, they get upset.

Even when they don't jam, they'll thereafter refuse to communicate with anyone of their own heard answering a CQ from one of my type.

73,

Steven

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> I am puzzled by this jamming....
> Why would someone jam you?...
> Larry
>

965. Re: VHF & UHF Antenna Relays

Yahoo group: 49megahertz
Date: 2006-08-10 17:40:17 UTC
From: Steven Coles
Topic: 957 Message: 965

Kurt,

Thank you. I've never met the guy first hand. But I've always considered the return policy antagonistic.

BYW, I hope relations between various varieties of hams are better in other places. Around here things have drastically changed since the days when every ham recognized a Colpitts oscillator and at least had that in common.

Best regards,

Steven, 49H7SC, KD7YTE

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@...> wrote:
>
> "less expensive than Pasternak VHF & UHF antenna relays available"
>
> Everything is cheaper than Pastercrap which is only mediocre quality as it
> is. I think he's trying to support a cocaine habit or perhaps saving up for
> some sort of facial surgery, of course I can only guess based on his
> appearance, actions and statements... I ran into pastercrotch in '95 where
> his wares were being peddled at an ARRL convention. Interestingly he
> wouldn't sell to HAMs, and after considerable discussion, he said, and I
> quote "We're looking for bigger orders", I said "F--k you very much for your
> lack of consideration". Start with ebay where everything goes for
> pocket-change.
>
> Kurt
>

966. [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Yahoo group: 49megahertz
Date: 2006-08-10 17:43:16 UTC
From: Steven Coles
Topic: 957 Message: 966

Kurt,

Kind of defeats getting on the air for technical rag chews.

Best regards,

Steven, 49H7SC, KD7YTE

--- In 49megahertz@yahoogroups.com, "KD7JYK" <kd7jyk@...> wrote:
>
> Lie to them.
>
> Kurt
>
> ----- Original Message -----
> From: Steven Coles <scoles@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Thursday, August 10, 2006 10:02
> Subject: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex
>
>
> Larry,
>
> The big ticket hams who take exception to the restoration,
homebrew,
> etc. operators paid enough for their commercially-built rigs that
> they bought 100% band ownership. They are just policing invasions
> into their bands. Some of them have over US$7500 into their
> transceivers, linear amplifiers, towers, antennas, software, etc.
A
> few put over US$30,000 into their rovers before putting any radio
> gear into them. When an operator with US$75 into a homebrew
> transceiver and wire loop and a paper logbook takes up 10 kHz of
> their 4 MHz, they get upset.
>
> Even when they don't jam, they'll thereafter refuse to communicate
> with anyone of their own heard answering a CQ from one of my type.
>
> 73,
>
> Steven
>
> --- In 49megahertz@...m, "larry allen" <larya@> wrote:
> >
> > I am puzzled by this jamming....
> > Why would someone jam you?...

> > Larry
> >
>

967. Re: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Yahoo group: 49megahertz
Date: 2006-08-10 17:44:08 UTC
From: bruce mallon
Topic: 957 Message: 967

I run a MFJ 9606 6 meter fm radio and tell them it's a
ts-2000

--- KD7JYK <kd7jyk@...> wrote:

> Lie to them.
>
> Kurt
>
> ----- Original Message -----
> From: Steven Coles <scoles@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Thursday, August 10, 2006 10:02
> Subject: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex
>
>
> Larry,
>
> The big ticket hams who take exception to the
> restoration, homebrew,
> etc. operators paid enough for their
> commercially-built rigs that
> they bought 100% band ownership. They are just
> policing invasions
> into their bands. Some of them have over US$7500
> into their
> transceivers, linear amplifiers, towers, antennas,
> software, etc. A
> few put over US$30,000 into their rovers before
> putting any radio
> gear into them. When an operator with US$75 into a
> homebrew
> transceiver and wire loop and a paper logbook takes
> up 10 kHz of
> their 4 MHz, they get upset.
>
> Even when they don't jam, they'll thereafter refuse
> to communicate
> with anyone of their own heard answering a CQ from
> one of my type.
>
> 73,
>
> Steven
>

> --- In 49megahertz@yahoogroups.com, "larry allen"
> <larya@...> wrote:
> >
> > I am puzzled by this jamming....
> > Why would someone jam you?...
> > Larry
> >
>
>
>
>
>
>
>

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

968. Re: [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-10 17:49:28 UTC
From: bruce mallon
Topic: 960 Message: 968

Ive been on 6 more than 40 years and hold a extra
class and GROL .... YET you see me here
SO ike I said many here ARE hams ....

--- Steven Coles <scoles@...> wrote:

> Larry,
>
> Even though some of us discuss our amateur radio
> activities in
> threads like the one starting with post 927 and
> include our amateur
> radio calls in posts, every 4 or 8 months someone
> asks why we don't
> get licensed. The same thing went on in the LUTT
> Yahoo group during
> its active period.
>
> 73,
>
> Steven
>
> --- In 49megahertz@yahoogroups.com, "larry allen"
> <larya@...> wrote:
> >
> > Hi again...
> > Besides a Technician+ amateur radio license I have
> a commercial
> > GROL. Apparently, I need to get general and extra
> class licenses
> to
> > make my point. I know another man who obtained
> amateur radio and
> > commercial licenses who had no intention of ever
> getting on the
> air.
> >
> > Apparently, I need to get general and extra class
> licenses to
> > make my point.
> > Why do you need your general and extra class
> licences to make your
> > point?...
> >
> > Larry

> >
>
>
>
>
>

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

969. Re: [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-10 18:03:24 UTC
From: larry allen
Topic: 960 Message: 969

In other words, people are asking why amateurs are experimenting outside
the amateur bands....
Larry

----- Original Message -----
From: "Steven Coles" <scoles@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 1:23 PM
Subject: [49MHz] Re: 6-Meter Transceiver Schematics

Larry,

Even though some of us discuss our amateur radio activities in
threads like the one starting with post 927 and include our amateur
radio calls in posts, every 4 or 8 months someone asks why we don't
get licensed. The same thing went on in the LUTT Yahoo group during
its active period.

73,

Steven

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> Hi again...
> Besides a Technician+ amateur radio license I have a commercial
> GROL. Apparently, I need to get general and extra class licenses
to
> make my point. I know another man who obtained amateur radio and
> commercial licenses who had no intention of ever getting on the
air.
>
> Apparently, I need to get general and extra class licenses to
> make my point.
> Why do you need your general and extra class licences to make your
> point?...
>
> Larry
>

970. Re: [49MHz] Re: VHF & UHF Antenna Relays

Yahoo group: 49megahertz
Date: 2006-08-10 18:34:07 UTC
From: KD7JYK
Topic: 970 Message: 970

BYW, I hope relations between various varieties of hams are better in other places.

Well, it's hard to say... I've run into everything, good and bad.

Kurt

971. Re: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Yahoo group: 49megahertz
Date: 2006-08-10 18:36:10 UTC
From: KD7JYK
Topic: 957 Message: 971

Learn about radio, lie to them about what kind you are using on the air. I once got into a debate with a fellow on CB. I informed him that the type of radio he uses and the medium in which he communicates should not be limited by his radio.

Kurt

972. Re: [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-10 18:37:56 UTC
From: KD7JYK
Topic: 960 Message: 972

We are not experimenting as Amatuers. We are experimenting as radio operators. We happen to hold an Amatuer license as well. Why are you asking this on the INTERNET rather than over the air ?

Kurt

----- Original Message -----

> In other words, people are asking why amateurs are experimenting outside
> the amateur bands....
> Larry

973. Re: [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-10 19:07:45 UTC
From: larry allen
Topic: 960 Message: 973

> We are not experimenting as Amatuers. We are experimenting as radio
> operators.

That part puzzles me as there are no such thing as radio operators on 49
mhz....
Larry

----- Original Message -----
From: "KD7JYK" <kd7jyk@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 2:37 PM
Subject: Re: [49MHz] Re: 6-Meter Transceiver Schematics

> We are not experimenting as Amatuers. We are experimenting as radio
> operators. We happen to hold an Amatuer license as well. Why are you
> asking this on the INTERNET rather than over the air ?
>
> Kurt
>
> ----- Original Message -----
>
>> In other words, people are asking why amateurs are experimenting
>> outside
>> the amateur bands....
>> Larry
>
>

974. Re: [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-10 19:10:52 UTC
From: larry allen
Topic: 960 Message: 974

Why are you
> asking this on the INTERNET rather than over the air ?

The internet allows us to add another compontent to our arcenal (spelling)
of communications tools....

Larry

----- Original Message -----
From: "KD7JYK" <kd7jyk@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 2:37 PM
Subject: Re: [49MHz] Re: 6-Meter Transceiver Schematics

> We are not experimenting as Amatuers. We are experimenting as radio
> operators. We happen to hold an Amatuer license as well. Why are you
> asking this on the INTERNET rather than over the air ?
>
> Kurt
>
> ----- Original Message -----
>
>> In other words, people are asking why amateurs are experimenting
>> outside
>> the amateur bands....
>> Larry
>
>

975. [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-10 19:18:57 UTC
From: Steven Coles
Topic: 960 Message: 975

Larry,

That's pretty much my take.

Steven, 49H7SC, KD7YTE

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> In other words, people are asking why amateurs are experimenting
outside
> the amateur bands....
> Larry
>

976. Re: [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-10 19:35:49 UTC
From: larry allen
Topic: 960 Message: 976

Hi Steve....
Well, if you are saying.. what I think you are saying...
I am worn out as well...
73 and have a nice summer....
Larry

----- Original Message -----
From: "Steven Coles" <scoles@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 3:18 PM
Subject: [49MHz] Re: 6-Meter Transceiver Schematics

Larry,

That's pretty much my take.

Steven, 49H7SC, KD7YTE

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> In other words, people are asking why amateurs are experimenting
outside
> the amateur bands....
> Larry
>

977. Amateur Radio Scratch & Kit Building Groups

Yahoo group: 49megahertz
Date: 2006-08-10 19:46:43 UTC
From: Steven Coles
Topic: 977 Message: 977

All,

Anyone who enjoys encouraging amateur radio scratch building will also find a welcome at

http://groups.yahoo.com/group/emrfd/

A forum for amateur radio operators scratch building equipment from "Experimental Methods in RF Design" and similar books by the same circle of authors.

http://groups.yahoo.com/group/BITX20/

A forum for BITX CW & SSB 20 & 40 meter transceiver builders (scratch or from PCBs□orders currently being taken).

http://groups.yahoo.com/group/micro_power/

With HF scratch building and kit building interests. And

http://groups.yahoo.com/group/radioexperimenter/

Which has included VHF & UHF conversions and scratch building. But currently needs some encouragement.

Best regards,

Steven, 49H7SC, KD7YTE

978. re: big btoadcast

Yahoo group: 49megahertz
Date: 2006-08-10 21:29:57 UTC
From: allanegleston
Topic: 978 Message: 978

Hi bob, thanks for the info on the automation program. Have been toying with recording my music to vhs tapes, rather than to computer. My hd is a 2 gig hd , rather small by todays standars as where mos hds are around 200 or more. I was just talking to a friend who wants me to record a 78 rpm record to cd but i feel that that huge of a file would swamp this rig. 73 de Allan KF6UXJ ps, i am intristed in all facets of radio inc luding ham, c.b yes cb and broadcasting. Would like mu own station, but since corperate radio has al but made that dissapear, 49 mc is the ideal choice for me. fm profides problems with hetrodyining with biger stations and we dont want that. Also this is a no pirate zone and will not conduct unlaful activies. Also asm courious about the low fers and others who are experimenting with radio also. again thans for info!

979. Re: [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-10 21:38:32 UTC
From: KD7JYK
Topic: 960 Message: 979

That part puzzles me as there are no such thing as radio operators on 49 mhz....

Clarify.

Kurt

980. re: big broadcaast

Yahoo group: 49megahertz
Date: 2006-08-10 21:43:56 UTC
From: allanegleston
Topic: 980 Message: 980

Hey BOb , just went to Raduga.s site and Raduga is commercial ware.
wonder how much a new version costs>
74 de Allan KF6UJ radi kallan

981. Beacons.

Yahoo group: 49megahertz
Date: 2006-08-10 21:53:00 UTC
From: KD7JYK
Topic: 981 Message: 981

I used to operate RPG on 13,555.430 KHz. Off the air now, but will order a new crystal in the next few weeks and get back on the air.

Kurt

982. re: [49MHz] Beacons.

Yahoo group: 49megahertz
Date: 2006-08-10 23:01:16 UTC
From: allanegleston
Topic: 982 Message: 982

Hi Kurt, am interisted, what is rpg? thanks in advance, allan kf6uxj

983. Re: [49MHz] Beacons.

Yahoo group: 49megahertz
Date: 2006-08-10 23:09:49 UTC
From: KD7JYK
Topic: 982 Message: 983

Rosetta Proving Ground.

Kurt

----- Original Message -----
From: allanegleston <allanegleston@...>

Hi Kurt, am interisted, what is rpg? thanks in advance, allan kf6uxj

984. Re: [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-11 11:20:34 UTC
From: bruce mallon
Topic: 960 Message: 984

Too bad the FCC dosn't allow unlimited antenna gain on
49 mhz .....

--- KD7JYK <kd7jyk@...> wrote:

> That part puzzles me as there are no such thing as
> radio operators on 49
> mhz....
>
> Clarify.
>
> Kurt
>
>

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985. Re: [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-11 13:42:36 UTC
From: larry allen
Topic: 960 Message: 985

What would you accomplish with that...
One of the things that did cb in was the too many cbers used excessive power and made the band useless to the others....
49 mhz band was put asside for low power consumer radios for such things as baby monitors....
The amateur bands were put asside for home radio experimentation and operating...
Larry ve3fxq

----- Original Message -----
From: "bruce mallon" <wa4gch@...>
To: <49megahertz@yahoogroups.com>
Sent: Friday, August 11, 2006 7:20 AM
Subject: Re: [49MHz] Re: 6-Meter Transceiver Schematics

> Too bad the FCC dosn't allow unlimited antenna gain on
> 49 mhz .....
>
> --- KD7JYK <kd7jyk@...> wrote:
>
>> That part puzzles me as there are no such thing as
>> radio operators on 49
>> mhz....
>>
>> Clarify.
>>
>> Kurt
>>
>>
>
>
> _____
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>

986. Re: [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-11 16:21:10 UTC
From: bruce mallon
Topic: 960 Message: 986

"What would you accomplish with that..."

1) receivers have less noise to work with
2) 100 mw into a 10 db gain antenna is far more
usefull than 1 watt into a groundplane ...

NOW HOW DO YOU PUT 10,000 watt lawless CBers and the
expermenters on 49 mhz in the same light... HUMMMM
most here try to comply with all fcc rules to the
LETTER ..... Most are hams some with 40 years on the
air ....

MURS is a good example ofwhat i was saying 2
watts and no antenna restrictons ...... they are
getting 10 miles base to moble ..... and how many FCC
inforcement letters do you see ?????? NADA.... ZIP...
NONE ....
NO FCC RULE PUTS 49 mhz aside for low power consumer
use ..... IN FACT 49.830 and 860 had walkie talkies
and even BASE stations back in the 70's so hobby use
is anything but new.

Bruce WA4GCH (EXTRA CLASS)
SMIRK# 70 (issued Feb 1974)
on 6 since 1966
member QCWA, OOTC and life member ARRL

--- larry allen <larya@...> wrote:

> What would you accomplish with that...
> One of the things that did cb in was the too many
> cbers used excessive
> power and made the band useless to the others....
> 49 mhz band was put asside for low power consumer
> radios for such things
> as baby monitors....
> The amateur bands were put asside for home radio
> experimentation and
> operating...
> Larry ve3fxq
>
> ----- Original Message -----
> From: "bruce mallon" <wa4gch@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Friday, August 11, 2006 7:20 AM
> Subject: Re: [49MHz] Re: 6-Meter Transceiver

> Schematics
>
>
> > Too bad the FCC dosn't allow unlimited antenna
> gain on
> > 49 mhz .....
> >
> > --- KD7JYK <kd7jyk@...> wrote:
> >
> >> That part puzzles me as there are no such thing
> as
> >> radio operators on 49
> >> mhz....
> >>
> >> Clarify.
> >>
> >> Kurt
> >>
> >>
> >
> >
> > _____
> > Do You Yahoo!?
> > Tired of spam? Yahoo! Mail has the best spam
> protection around
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> >
>
>

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

987. Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-11 19:43:34 UTC
From: Steven Coles
Topic: 960 Message: 987

Bruce,

I'm not a lawyer. So just my non-professional, and probably useless comments:

So far nobody on this group has quoted any FCC restrictions on 49-MHz *receiver* antenna gain. Until I hear otherwise, I freely use anything and everything in the ARRL Antenna Handbook for receiving antennas. That allows narrow enough beamwidth to significantly reduce received noise.

Immediately below 49.820 MHz the FCC does limit Part-15 10,000 uV/m at 3 meters operation to cordless phones. Apparently, some mail box monitors are registered as cordless phones.

While acknowledging the hobby use of CFR 49, Part-15, OET-63, a US government on-line publication providing a plane language explanation of the rules, does treat Part-15 as primarily for unlicensed commercial products. It cites the relevant Part-15 paragraphs for each case.

Again, I'm no expert. Certainly other understandings are possible.

73,

Steven, 49H7SC, KD7YTE

--- In 49megahertz@yahoogroups.com, bruce mallon <wa4gch@...> wrote:
>
> Too bad the FCC dosn't allow unlimited antenna gain on
> 49 mhz .....
>

988. Re: [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-11 21:07:13 UTC
From: larry allen
Topic: 960 Message: 988

I should have considered that someone else asked the same question.. but I
did want to know the answer.....
I get the impression that your local ham population is pushing you off the
ham bands...
Larry ve3fxq

----- Original Message -----
From: "Steven Coles" <scoles@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 10, 2006 1:23 PM
Subject: [49MHz] Re: 6-Meter Transceiver Schematics

Larry,

Even though some of us discuss our amateur radio activities in
threads like the one starting with post 927 and include our amateur
radio calls in posts, every 4 or 8 months someone asks why we don't
get licensed. The same thing went on in the LUTT Yahoo group during
its active period.

73,

Steven

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> Hi again...
> Besides a Technician+ amateur radio license I have a commercial
> GROL. Apparently, I need to get general and extra class licenses
to
> make my point. I know another man who obtained amateur radio and
> commercial licenses who had no intention of ever getting on the
air.
>
> Apparently, I need to get general and extra class licenses to
> make my point.
> Why do you need your general and extra class licences to make your
> point?...
>
> Larry
>

989. [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Yahoo group: 49megahertz
Date: 2006-08-11 22:04:23 UTC
From: D
Topic: 957 Message: 989

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@...> wrote:
>
> Larry,
>
> The big ticket hams who take exception to the restoration, homebrew,
> etc. operators paid enough for their commercially-built rigs that
> they bought 100% band ownership. They are just policing invasions
> into their bands. Some of them have over US$7500 into their
> transceivers, linear amplifiers, towers, antennas, software, etc. A
> few put over US$30,000 into their rovers before putting any radio
> gear into them. When an operator with US$75 into a homebrew
> transceiver and wire loop and a paper logbook takes up 10 kHz of
> their 4 MHz, they get upset.
>
> Even when they don't jam, they'll thereafter refuse to communicate
> with anyone of their own heard answering a CQ from one of my type.
>
> 73,
>
> Steven

I, too, am puzzled by such behavior. I know the FCC is slow to react at times, but once such behaviour has attracted Riley's attention, the results can be rather devastating for the miscreatant who is performing them. License revocation can turn that $7.5K of radio equipment into a lot of useless junk. And, further use of it after a license revocation can incur penalities that are so steep that it makes that $30K rover look like candy money. It's certainly not a position that I (nor any of the licensed amateurs that I know) would like to find themselves in.

Of course, that doesn't mean that it doesn't happen. But, with the availability of fox-hunting equipment and techniques, such individuals can be quickly located (milliseconds?). With the techniques of transmitter identification (based mostly on RF keying signatures), the identity of the radio can be fairly well known. Would anyone (with any sense) want to subject themselves to being identified so easily?

As for the cliquish clubs, that certainly goes on in all areas, and there's nothing illegal about that. But, there are plenty of frequencies available. In most regions, I've found the cliquishness confined to a particular frequency or two. And, even most of those guys have agreed to "live and let live". Let's face it; not everyone shares the same interests, and not everyone even likes everyone else. So, some people don't desire to talk to other people.

As for technical discussions, those are becomming harder and harder to find on the air. There seem to be fewer and fewer people who are designing their own equipment. Then, again, ocassionally, you'll ocassionally find a person or two locally who does, or, at least, has an interest. The situation may also be better on the HF frequencies, since the signals cover a larger area, while with VHF/UHF, you're essentially limited to line-of-sight contacts.

Dave

990. Re: Amateur Radio Scratch & Kit Building Groups

Yahoo group: 49megahertz
Date: 2006-08-11 22:13:12 UTC
From: D
Topic: 977 Message: 990

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@...> wrote:
>
> All,
>
> Anyone who enjoys encouraging amateur radio scratch building will
> also find a welcome at
>
> http://groups.yahoo.com/group/emrfd/
>
> A forum for amateur radio operators scratch building equipment
> from "Experimental Methods in RF Design" and similar books by the
> same circle of authors.

Ok, I joined (I'd been sitting on the fence for a while; so many
groups, so little time.). I suppose I really should pick up the
book, too (when my "fun" budget allows it).

> http://groups.yahoo.com/group/BITX20/
>
> A forum for BITX CW & SSB 20 & 40 meter transceiver builders
> (scratch or from PCBs□orders currently being taken).

I prefer my own designs. That way, I make more mistakes to learn
from. :-)

> http://groups.yahoo.com/group/micro_power/
>
> With HF scratch building and kit building interests.

I'm there.

> And
>
> http://groups.yahoo.com/group/radioexperimenter/
>
> Which has included VHF & UHF conversions and scratch building. But
> currently needs some encouragement.

I'm mostly into HF designs at the moment, although I've dabbled with
some VHF stuff (mostly 2 meter CW/telemetry transmitters). It
requires a bit more elaborate test equipment to go into the VHF/UHF
region (e.g., frequency counters that work at higher frequencies
than just HF, oscilloscopes that have 500 MHz bandwidths, etc.).

One of the more interesting groups is the Huff & Puff group, which
is devoted to building oscillator stabilizers:

http://groups.yahoo.com/group/HuffPuffVFO/

This allows a variable frequency oscillator to be built which has
the stability of a crystal oscillator (which it is "stabilized" to),
yet which may still be tuned. Such a design only takes a couple
of logic chips, and a VCO. Some of the members are working on
building a VHF version, with some discussion of extending the
technique to UHF or microwave frequencies. Just imagine, a variable
frequency oscillator that works at VHF (or microwave) frequencies,
with the stability of a crystal, yet still maintaining the ability
to be varied.

> Best regards,
>
> Steven, 49H7SC, KD7YTE

Dave

991. Re: [49MHz] Re: 6-Meter Transceiver Schematics

Yahoo group: 49megahertz
Date: 2006-08-11 22:18:49 UTC
From: bruce mallon
Topic: 960 Message: 991

your correct how ever i was thinking like MURS
transmitt gain and the changing from microvolts per
meter to a flat 100 mw..... like MURS has 2 watts
.....

Also the FCC does not GIVE the frequencies to anyone
and they are open to all users when they were wrote
the FCC did not see hobyest intrest nor rule it out
....

--- Steven Coles <scoles@...> wrote:

> Bruce,
>
> I'm not a lawyer. So just my non-professional, and
> probably useless
> comments:
>
> So far nobody on this group has quoted any FCC
> restrictions on 49-
> MHz *receiver* antenna gain. Until I hear
> otherwise, I freely use
> anything and everything in the ARRL Antenna Handbook
> for receiving
> antennas. That allows narrow enough beamwidth to
> significantly
> reduce received noise.
>
> Immediately below 49.820 MHz the FCC does limit
> Part-15 10,000 uV/m
> at 3 meters operation to cordless phones.
> Apparently, some mail box
> monitors are registered as cordless phones.
>
> While acknowledging the hobby use of CFR 49,
> Part-15, OET-63, a US
> government on-line publication providing a plane
> language
> explanation of the rules, does treat Part-15 as
> primarily for
> unlicensed commercial products. It cites the
> relevant Part-15
> paragraphs for each case.
>
> Again, I'm no expert. Certainly other
> understandings are possible.

>
> 73,
>
> Steven, 49H7SC, KD7YTE
>
> --- In 49megahertz@yahoogroups.com, bruce mallon
> <wa4gch@...> wrote:
> >
> > Too bad the FCC dosn't allow unlimited antenna
> gain on
> > 49 mhz .....
> >
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992. Re: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Yahoo group: 49megahertz
Date: 2006-08-11 23:45:48 UTC
From: larry allen
Topic: 957 Message: 992

> The big ticket hams who take exception to the restoration, homebrew,
> etc. operators paid enough for their commercially-built rigs that
> they bought 100% band ownership.

That is their problem.. that should not affect your enjoyment of amateur
radio and homebrew...

Larry ve3fxq

----- Original Message -----
From: "D" <wa4qal@...>
To: <49megahertz@yahoogroups.com>
Sent: Friday, August 11, 2006 6:04 PM
Subject: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

--- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@...> wrote:
>
> Larry,
>
> The big ticket hams who take exception to the restoration, homebrew,
> etc. operators paid enough for their commercially-built rigs that
> they bought 100% band ownership. They are just policing invasions
> into their bands. Some of them have over US$7500 into their
> transceivers, linear amplifiers, towers, antennas, software, etc. A
> few put over US$30,000 into their rovers before putting any radio
> gear into them. When an operator with US$75 into a homebrew
> transceiver and wire loop and a paper logbook takes up 10 kHz of
> their 4 MHz, they get upset.
>
> Even when they don't jam, they'll thereafter refuse to communicate
> with anyone of their own heard answering a CQ from one of my type.
>
> 73,
>
> Steven

I, too, am puzzled by such behavior. I know the FCC is slow to
react at times, but once such behaviour has attracted Riley's
attention, the results can be rather devastating for the miscreatant
who is performing them. License revocation can turn that $7.5K of
radio equipment into a lot of useless junk. And, further use of
it after a license revocation can incur penalities that are so
steep that it makes that $30K rover look like candy money. It's
certainly not a position that I (nor any of the licensed amateurs
that I know) would like to find themselves in.

Of course, that doesn't mean that it doesn't happen. But, with the availability of fox-hunting equipment and techniques, such individuals can be quickly located (milliseconds?). With the techniques of transmitter identification (based mostly on RF keying signatures), the identity of the radio can be fairly well known. Would anyone (with any sense) want to subject themselves to being identified so easily?

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As for technical discussions, those are becomming harder and harder to find on the air. There seem to be fewer and fewer people who are designing their own equipment. Then, again, ocassionally, you'll ocassionally find a person or two locally who does, or, at least, has an interest. The situation may also be better on the HF frequencies, since the signals cover a larger area, while with VHF/UHF, you're essentially limited to line-of-sight contacts.

Dave

993. Re: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Yahoo group: 49megahertz
Date: 2006-08-12 12:31:36 UTC
From: larry allen
Topic: 957 Message: 993

I am going to leave you fellas alone.. This is your group and I have no desire to become a frustration...
Larry ve3fxq

994. Re: big broadcaast

Yahoo group: 49megahertz
Date: 2006-08-12 06:15:02 UTC
From: KC4QLP@aol.com
Topic: 980 Message: 994

Hey BOb , just went to Raduga.s site and Raduga is commercial ware.
wonder how much a new version costs>
74 de Allan KF6UJ radi kallan

Actually Allan..I have one better than Raduga for experimenters, low budget part 15 stations and low budget licensed AM/FM stations.

The program is FREE...it is called Zararadio. It is written by a spanish guy......the website is basically written in spanish, but the program will display the English language etc etc.
Instead of posting one URL for the program, here is the URL for the Google.com search for the program so everyone can better see all the ins and outs of the program

http://www.google.com/search?hl=en&ie=ISO-8859-1&q=ZaraRadio

[Spanish to English website translator page--> http://babelfish.altavista.com/]

The program is basically identical in operation and layout to Raduga...but it is free...no demos etc etc. What you download is the actual full functional program.

BTW, as for hard drive space verses music files on your computer.....as a rule of thumb with these programs, 4GB of hard drive space, music in mp3 format equals 8 hours of music....just so you can get an idea of what one may need if they consider putting together a serious library of music with a software/radio station autiomation system.

Bob Carter - KC4QLP

Mid-Atlantic-Engineering-Services of Utica NY / Elizabeth City NC

http://www.geocities.com/midatlanticengineeringservice
WKVU-FM Utica/Rome NY, WKVJ-FM Dannemora/Plattsburgh NY, WKYJ-FM Rouses Point NY, WRCS-AM Ahoskie NC

Echolink/Repeater 145.240/- PL 131.8 node 56703
Echolink/Link [future 10 meter node] node 56704
Echolink conference server node 267137 [*KC4QLP*]
Echolink conference server node 290251 [*KC4QLP-C*]

995. Re: big btoadcast

Yahoo group: 49megahertz
Date: 2006-08-12 06:02:29 UTC
From: KC4QLP@aol.com
Topic: 978 Message: 995

Hi bob, thanks for the info on the automation program. Have been toying with recording my music to vhs tapes, rather than to computer. My hd is a 2 gig hd , rather small by todays standars as where mos hds are around 200 or more. I was just talking to a friend who wants me to record a 78 rpm record to cd but i feel that that huge of a file would swamp this rig. 73 de Allan KF6UXJ ps, i am intristed in all facets of radio inc luding ham, c.b yes cb and broadcasting. Would like mu own station, but since corperate radio has al but made that dissapear, 49 mc is the ideal choice for me. fm profides problems with hetrodyining with biger stations and we dont want that. Also this is a no pirate zone and will not conduct unlaful activies. Also asm courious about the low fers and others who are experimenting with radio also. again thans for info!

Well with the "invention" of LPFM, creat your own non-profit "group" and se arch for an open channel in your area and get ready for the next filing window for 10 watt LPFM's. When the next window for filing opens is hard to tell as the FCC has frozen new applications for new LPFM's until the translator apps are sorted out and the recent 100 watt LPFM apps are sorted.

If you are serious about such a thing, I can help you along with that in the years to come.

73,

Bob Carter - KC4QLP

Mid-Atlantic-Engineering-Services of Utica NY / Elizabeth City NC

http://www.geocities.com/midatlanticengineeringservice
WKVU-FM Utica/Rome NY, WKVJ-FM Dannemora/Plattsburgh NY, WKYJ-FM Rouses Point NY, WRCS-AM Ahoskie NC

Echolink/Repeater 145.240/- PL 131.8 node 56703
Echolink/Link [future 10 meter node] node 56704
Echolink conference server node 267137 [*KC4QLP*]
Echolink conference server node 290251 [*KC4QLP-C*]

996. Re: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Yahoo group: 49megahertz
Date: 2006-08-12 16:03:17 UTC
From: larry allen
Topic: 957 Message: 996

HI know I said I was go away but I looked that the file section of your group website and noticed something....
I hope you gentlemen don't plan on using gain antennas or amplifiers on your baby monitor radios....
According to some of the schematics I saw...your transmitters are rich in harmonics and spirious emmissions...
Don't recrystal them and use them on 6 meters either, for the same reason...
As the commercial says.. 'play safe'....
Larry ve3fxq

----- Original Message -----
From: "larry allen" <larya@...>
To: <49megahertz@yahoogroups.com>
Sent: Saturday, August 12, 2006 8:31 AM
Subject: Re: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

>I am going to leave you fellas alone.. This is your group and I have no
> desire to become a frustration...
> Larry ve3fxq
>
>
>
>

997. [49MHz] Re: Hams on 52.525 MHz NBFM Simplex

Yahoo group: 49megahertz
Date: 2006-08-12 17:50:37 UTC
From: Steven Coles
Topic: 957 Message: 997

Larry,

True. The first 4 diagrams I opened drive a single tuned output circuit driven by a class-C amplifier. Presumably the consumer-grade tuned circuit has rather low Q. Re-crystalling would require changing the output circuit.

EMRFD (Experimental Methods in RF Design by W7AOI, KK7B, and W7PUA) shows an SSB/CW transceiver suited to 6 meters (but not locked into any particular band). The plans start on page 6.83. Page 6.88 shows low-pass and band-pass filters for 6 meters. These could be adapted to converted equipment. The authors assume the builder has read chapter 3 before attempting filter assembly.

However, some care is still required in selecting equipment to convert. Many consumer devices employ poor modulation techniques. Modulated oscillators cannot be adapted to amateur radio while remaining modulated oscillators. What I mean is they might be used unmodulated as converter oscillators or similar applications.

73,

Steven, KD7YTE

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> HI know I said I was go away but I looked that the file section of
your
> group website and noticed something....
> I hope you gentlemen don't plan on using gain antennas or
amplifiers on
> your baby monitor radios....
> According to some of the schematics I saw...your transmitters are
rich in
> harmonics and spirious emmissions...
> Don't recrystal them and use them on 6 meters either, for the same
> reason...
> As the commercial says.. 'play safe'....
> Larry ve3fxq
>
> ----- Original Message -----
> From: "larry allen" <larya@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Saturday, August 12, 2006 8:31 AM
> Subject: Re: [49MHz] Re: Hams on 52.525 MHz NBFM Simplex
>

>
> >I am going to leave you fellas alone.. This is your group and I
have no
> > desire to become a frustration...
> > Larry ve3fxq
> >

998. Re: Amateur Radio Scratch & Kit Building Groups

Yahoo group: 49megahertz
Date: 2006-08-12 17:58:34 UTC
From: Steven Coles
Topic: 977 Message: 998

Dave,

If you have a copy of "Solid-State Design for the Radio Amateur,"
you have some (20% or 25%) of the contents of EMFRD. W7ZOI also
wrote "Introduction to Radio Frequency Design" as a more advanced,
more mathematical, and less expensive coverage of much of the
material in EMRFD,

I've heard good things about huff & puff.

73,

Steven

--- In 49megahertz@yahoogroups.com, "D" <wa4qal@...> wrote:
>
> --- In 49megahertz@yahoogroups.com, "Steven Coles" <scoles@> wrote:
> >
> > All,
> >
> > Anyone who enjoys encouraging amateur radio scratch building
will
> > also find a welcome at
> >
> > http://groups.yahoo.com/group/emrfd/
> >
> > A forum for amateur radio operators scratch building equipment
> > from "Experimental Methods in RF Design" and similar books by
the
> > same circle of authors.
>
> Ok, I joined (I'd been sitting on the fence for a while; so many
> groups, so little time.). I suppose I really should pick up the
> book, too (when my "fun" budget allows it).
>
> > http://groups.yahoo.com/group/BITX20/
> >
> > A forum for BITX CW & SSB 20 & 40 meter transceiver builders
> > (scratch or from PCBs□orders currently being taken).
>
> I prefer my own designs. That way, I make more mistakes to learn
> from. :-)
>
> > http://groups.yahoo.com/group/micro_power/
> >

> > With HF scratch building and kit building interests.
>
> I'm there.
>
> > And
> >
> > http://groups.yahoo.com/group/radioexperimenter/
> >
> > Which has included VHF & UHF conversions and scratch building. But
> > currently needs some encouragement.
>
> I'm mostly into HF designs at the moment, although I've dabbled with
> some VHF stuff (mostly 2 meter CW/telemetry transmitters). It
> requires a bit more elaborate test equipment to go into the VHF/UHF
> region (e.g., frequency counters that work at higher frequencies
> than just HF, oscilloscopes that have 500 MHz bandwidths, etc.).
>
> One of the more interesting groups is the Huff & Puff group, which
> is devoted to building oscillator stabilizers:
>
> http://groups.yahoo.com/group/HuffPuffVFO/
>
> This allows a variable frequency oscillator to be built which has
> the stability of a crystal oscillator (which it is "stabilized" to),
> yet which may still be tuned. Such a design only takes a couple
> of logic chips, and a VCO. Some of the members are working on
> building a VHF version, with some discussion of extending the
> technique to UHF or microwave frequencies. Just imagine, a variable
> frequency oscillator that works at VHF (or microwave) frequencies,
> with the stability of a crystal, yet still maintaining the ability
> to be varied.
>
> > Best regards,
> >
> > Steven, 49H7SC, KD7YTE
>
> Dave
>

999. re: big broadcast

Yahoo group: 49megahertz
Date: 2006-08-13 14:19:45 UTC
From: allanegleston
Topic: 999 Message: 999

Bob, thanks in advance for the goole search ofsararadio,
Also , the info on mp3 size vs disk s size is most useful,
As for "going serious" thanks. Right now this one is just doing shall
we say " , experimental brodcasting". just for fun.
U use echo link eh, woud u like to do a computer to computer qso sometime?
Cant do any thing after 10 pm pdt or before 6 am pdt as this one lives
in an apartment. 73 de Allan

1000. re: big big broadcast

Yahoo group: 49megahertz
Date: 2006-08-13 18:41:11 UTC
From: allanegleston
Topic: 1000 Message: 1000

Bob, thanks for the info on zara. Noted that the is in spanish among others. Found a english site , that siite wanted a code number for downloading. any others in english? in the meatime i will do smoe more prodding.

1001. re: big broadcast

Yahoo group: 49megahertz
Date: 2006-08-13 20:52:18 UTC
From: allanegleston
Topic: 931 Message: 1001

Bob, Please disregard my last comments about zara radio in spanish. Downloaded zara at 48.1 kpbs and the program insalled nicely. Will now have to get a mp3 burner for the rig,. This one tried to download i-tunes)R), and at 50 mb just for the setup.exe would have impossible for my dial - up connection. Thanks again about zara

1002. Re: big broadcast & Re: big big broadcast

Yahoo group: 49megahertz
Date: 2006-08-14 05:14:08 UTC
From: KC4QLP@aol.com
Topic: 1002 Message: 1002

Bob, thanks in advance for the goole search ofsararadio,
Also , the info on mp3 size vs disk s size is most useful,
As for "going serious" thanks. Right now this one is just doing shall
we say " , experimental brodcasting". just for fun.
U use echo link eh, woud u like to do a computer to computer qso sometime?
Cant do any thing after 10 pm pdt or before 6 am pdt as this one lives
in an apartment. 73 de Allan

Sure Allan!...we can get a QSO up on Echolink sometime. I don't use just a computer node here as it is connected up to a homebrew repeater that covers the valley here....so if you don't mind having the QSO go out over RF, then hook up anytime to the conference server node as the RF node is always connected to it.

Maybe if we have enough hams here on VoIP/Echolink, we could start some sort of 49 mhz experimenters round table or net once a week or so.

>
>
>
>
> Bob, thanks for the info on zara. Noted that the is in spanish among
> others. Found a english site , that siite wanted a code number for
> downloading. any others in english? in the meatime i will do smoe more
> prodding.
>
>

What is the URL for this english site that wanted a code for downloading?

Bob Carter - KC4QLP

Mid-Atlantic-Engineering-Services of Utica NY / Elizabeth City NC

http://www.geocities.com/midatlanticengineeringservice
WKVU-FM Utica/Rome NY, WKVJ-FM Dannemora/Plattsburgh NY, WKYJ-FM Rouses Point NY, WRCS-AM Ahoskie NC

Echolink/Repeater 145.240/- PL 131.8 node 56703
Echolink/Link [future 10 meter node] node 56704
Echolink conference server node 290251 [*KC4QLP-C*]

1003. re: big broadcast and big broadcast

Yahoo group: 49megahertz
Date: 2006-08-14 14:53:17 UTC
From: allanegleston
Topic: 1003 Message: 1003

Have no problems goring over rf. THis one posed a question a while ago and asked in anyone heard of a program called eqso. Eqso has allowed pmr 446 (like frs) and other part 15 based radio systems to go internet like voip echoirlp etc,. THat would be cool to extend the reach of 49 m.c gear. Name your timne and date withein the parameters given. Looking to our qso de k. 73 de ALlan

1004. re: big broadcast and big broadcas

Yahoo group: 49megahertz
Date: 2006-08-14 15:00:42 UTC
From: allanegleston
Topic: 1004 Message: 1004

Do not remember the url for thesite tha wanted a code to down load the engild ver of zara, however, when this one did find a site that had zara to download, when i ran the installation wizzard, the wizzard ask if i wated english or spanish, so this one chose english. went from ther and a good easy install. Now i will have to look after expenses and grocries to ge a 200- gb drive to handle music and photos. Re discovered cameras , fil based and digital. 73 de Allan

1005. RF Preamplifier

Yahoo group: 49megahertz
Date: 2006-08-15 04:32:50 UTC
From: Steven Coles
Topic: 1005 Message: 1005

All,

All scroll down toward the bottom of the page at

http://www.ham-radio.com/n6ca/50MHz/50ops.html

and you'll find an application note for a J310 FET RF receiving preamplifier that can be used for 49-MHz or adapted to almost anything else from your HF Jupiter receiver to 225 MHz.

Happy experimenting,

Steven

1006. Re: big broadcast and big broadcast

Yahoo group: 49megahertz
Date: 2006-08-15 05:24:48 UTC
From: KC4QLP@aol.com
Topic: 1003 Message: 1006

>
> Have no problems goring over rf. THis one posed a question a while ago
> and asked in anyone heard of a program called eqso. Eqso has allowed
> pmr 446 (like frs) and other part 15 based radio systems to go
> internet like voip echoirlp etc,. THat would be cool to extend the
> reach of 49 m.c gear. Name your timne and date withein the parameters
> given. Looking to our qso de k. 73 de ALlan
>
>
>
>
>
>
>

I have EQSO here as well for ham radio, but the node is offline and will be
until after a move into a new house. Allan, the EQSO system that you're talking
about for UK based PMR446 radio service is at http://www.446user.co.uk/. They
use an older version of the software and operate on servers that are very
much different from the ham servers for EQSO.
Using this for FRS,CB,MURS and two way 49mhz operations won't be in the
spirit of US laws. We find that either by extending the communication range of CB
would be taboo. Connecting FRS and MURS to other devices that are not part of
the radio [aka..a telephone or computer for VoIP use] would be frowned apon.

However for part 15 broadcasting, one could use it for creating a "network"
of programming for other part 15 broadcasters. A better use though would be to
use a shoutcast server and winamp as the audio bandwidth is much better than
the two VoIP applications which limits the audio bw to barely 4khz at the most.

Bob Carter - KC4QLP

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NY, WRCS-AM Ahoskie NC

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Echolink/Link [future 10 meter node] node 56704
Echolink conference server node 267137 [*KC4QLP*]
Echolink conference server node 290251 [*KC4QLP-C*]

1007. re: big broadcast and big broadcast

Yahoo group: 49megahertz
Date: 2006-08-15 21:38:18 UTC
From: allanegleston
Topic: 1003 Message: 1007

I understand that the fcc made fr and gmrs internet linking leagel a
year ago.
link
http://www.ultimatefrs.com/dingotel.html
was looking at larger hds for my computer today for recording songs
and storing pictures . WIs h me luck on that activity.

1008. Re: big broadcast and big broadcast

Yahoo group: 49megahertz
Date: 2006-08-16 06:59:50 UTC
From: KC4QLP@aol.com
Topic: 1003 Message: 1008

I understand that the fcc made fr and gmrs internet linking leagel a
year ago.
link
http://www.ultimatefrs.com/dingotel.html
was looking at larger hds for my computer today for recording songs
and storing pictures . WIs h me luck on that activity.

Well as for the GMRS/FRS internet linking deal....I haven't heard of this
being made legal.
Rule 10 and 12 show this....

10. May I set my FRS radios up as a repeater station?

The FRS Rules do not expressly bar FRS repeaters. The FCC has not authorized
any type of repeater equipment for use in FRS.

To use an existing FRS radio as a repeater, you would have to set it up to
retransmit signals without connecting anything to the FRS radio that was not
FCC-certified as part of that radio. The FCC has not certified (and is unlikely
to certify) any repeater controller or similar device for use with any FRS
radio.

12. May I connect my FRS radio to the telephone?

No. An FRS unit may not be interconnected to the public switched [telephone]
network [95.193(c)].

In rule 10, where they get you is where any device connected to the radio
that wasn't type certified or being certified and being the actual part of the
radio when it was type certified. So connecting audio cables to the computer is
one thing but connecting something that automatically control when the radio
transmitted, now that would be -the- catch part and thats where they would nail
you to the wall.
Rule 12...well if one was using dial-up internet...being part of the switched
phone network....I'm sure someone would try and nail someone down based on
that. All grey areas of course, but grey enough not to chance and risk finding
out the hard way especially when you have a radio license in other services
that could be at risk.
Besides I can almost hear it now if FRS users connected their radios to some
VoIP system....all you would hear are these dittle beeps, kids playing music
and cussing....it would be completely useless.
Anyhow, we'll save the FRS talk for the FRS groups and over that air.
Hope you made out well with a decent HD.

Bob Carter - KC4QLP

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1009. re: big broadcast and big broadcast

Yahoo group: 49megahertz
Date: 2006-08-16 15:21:26 UTC
From: allanegleston
Topic: 1003 Message: 1009

Ok. this one understands. Now bac to our regulary sceduled broadcast.
AM going to play some new (to me)78's soon. bye for now , ALlan

1010. re: big btpadcast and big brpadcast

Yahoo group: 49megahertz
Date: 2006-08-16 21:13:22 UTC
From: allanegleston
Topic: 1010 Message: 1010

I wennt to your website and must say that it is nicely done.Am going to save your echolink node info into my word processor, as this one is out of ink am familiar with your area as my mohter untill her death did several trips into utica rome and so on to trace ancestors there. idea, would be neat to do a general call on your favorite 49 mhz freq and see who is there What is the furthest u have toalked or recived your comms? BYe for no Allan

1011. Re: big btpadcast and big brpadcast

Yahoo group: 49megahertz
Date: 2006-08-17 07:33:46 UTC
From: KC4QLP@aol.com
Topic: 1010 Message: 1011

I wennt to your website and must say that it is nicely done.Am going to save your echolink node info into my word processor, as this one is out of ink am familiar with your area as my mohter untill her death did several trips into utica rome and so on to trace ancestors there. idea, would be neat to do a general call on your favorite 49 mhz freq and see who is there What is the furthest u have toalked or recived your comms? BYe for no Allan

Well Allan, it has been quite a few years since I did anything with 49mhz. I remember once taking one of the nicer one channel "radios" from Radio Shack [the one that had the headset] about 15 years ago and adding a 4 foot wire from the batterys negetive terminal and getting about a mile...."walkie talkie" to "walkie talkie" when I was in NC. Without the wire, coverage was about a city block.

When I get moved for the final time from my brother-in-laws into my own home in the next month or so, I'll be able to get the hobby stuff going again. I do have the 49mhz common part 15 channels in the scanner and never hear anything on them like I onced did.

BTW, what is your call sign and node number on Echolink?

Bob Carter - KC4QLP

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1012. re : big broadcast and big broadcast

Yahoo group: 49megahertz
Date: 2006-08-17 23:10:28 UTC
From: allanegleston
Topic: 1012 Message: 1012

Kf6uxj and i sometimes use a repeater called n6huh (no foolin) and most of the time am web based as have a friend who this one chats via cvomputer to computer. hvent realy played with any rf base echolink yet.I whill have some free time to-morrow. so will look up your node and give a shout. WIll attempt another broacast on 49.87 spinning my old 78;s this saturaday. 73 de Allan kf6uxj

1013. Retraction

Yahoo group: 49megahertz
Date: 2006-08-18 03:12:09 UTC
From: Steven Coles
Topic: 1013 Message: 1013

All,

Based on a single source of information I terribly misjudged a leading amateur radio operator in this area. A single article implied he sided with commercial interests in opposing preservation and homebrew amateur radio. A few days ago an email arrived correcting my misconceptions. It turns out the person I misjudged is in fact a highly accomplished amateur radio preservationist and homebrew builder.

While this area has some opposition to my preferred approaches to amateur radio, there is no powerful organized opposition.

My failure to check additional sources has placed a dark cloud over my radio activities for almost three years. Hopefully, I've learned from my mistake.

Best regards,

Steven

1014. re: big broadcast and big broadcast, request sidebar

Yahoo group: 49megahertz
Date: 2006-08-18 21:13:01 UTC
From: allanegleston
Topic: 1014 Message: 1014

bob, cann we e-mail privatly rather than tye up the 49 mc group with our echolink plans?? 73 ALlan.

1015. Looking for...

Yahoo group: 49megahertz
Date: 2006-08-22 17:55:23 UTC
From: KD7JYK
Topic: 1015 Message: 1015

49 MHz 9600 Baud radio modems with external antennas. I had a link a while back and can't track it down, nor the equipment. Should anyone have any info or equipment to sell, please get in touch.

Kurt

1016. re: looing for...

Yahoo group: 49megahertz
Date: 2006-08-22 22:33:44 UTC
From: allan egeston
Topic: 1016 Message: 1016

Foud this on the 49mhz radio club website links page.
http://www.arcelect.com/RFmodem.htm
Hope this helps. 73 de Allan

1017. Re: [49MHz] Looking for...

Yahoo group: 49megahertz
Date: 2006-08-24 22:13:24 UTC
From: larry allen
Topic: 1017 Message: 1017

Maybe I am exaggerating a bit but isn't that kind of thinking what lead to
the demise of 27 mhz?...
Larry

----- Original Message -----
From: "KD7JYK" <kd7jyk@...>
To: <49megahertz@yahoogroups.com>; <LUTT@yahoogroups.com>
Sent: Tuesday, August 22, 2006 1:55 PM
Subject: [49MHz] Looking for...

> 49 MHz 9600 Baud radio modems with external antennas. I had a link a
> while
> back and can't track it down, nor the equipment. Should anyone have any
> info or equipment to sell, please get in touch.
>
> Kurt
>
>

1018. Re: [49MHz] Looking for...

Yahoo group: 49megahertz
Date: 2006-08-24 23:50:30 UTC
From: KD7JYK
Topic: 1017 Message: 1018

"Maybe I am exaggerating a bit but isn't that kind of thinking what lead to the demise of 27 mhz?..."

No.

Kurt

1019. Re: [49MHz] Looking for...

Yahoo group: 49megahertz
Date: 2006-08-25 02:45:38 UTC
From: Steven Coles
Topic: 1017 Message: 1019

Larry,

Sorry. I'm not sure which loss you are talking about. In the late 1950s amateur radio lost 27 MHz (then usually called "11 meters") due primarily to under utilization. Another factor was manufactures inability to produce earlier 460 MHz CB classes at attract prices. Therefore they lobbied strongly for what became class-C Citizens band.

By the late 1960s businesses in many areas lost the use of 27 MHz CB due to non-business operators using it in ways impeding in-band business communications. Shortly thereafter 27 MHz became almost useless to the non-business CBers due to the limited channel quantity.

In the 1980s (somebody remember better?) the cost of VHF transistors and crystals dropped below the extra cost of longer telescoping antennas. Consequently manufacturers moved their Part-15 consumer walkie talkies from 27 MHz to 49 MHz. An additional advantage of this move was reducing crosstalk between radio-controlled model cars and walkie talkies.

Later, after successfully requesting the creation of FRS, most manufacturers moved to new handheld transceiver designs on 460 MHz. FRS is essentially a reinstatement of a pre-27 MHz CB class. (Ain't that ironic?)

So 27 MHz has been something of a jinx band for every service to use it.

Are you writing about one of those events or something else?

73,

Steven

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> Maybe I am exaggerating a bit but isn't that kind of thinking what lead to
> the demise of 27 mhz?...
> Larry
>

1020. Re: [49MHz] Looking for...

Yahoo group: 49megahertz
Date: 2006-08-25 12:12:40 UTC
From: larry allen
Topic: 1017 Message: 1020

Greetings
My comment was made concerning the gentleman who wanted to put a radio modem and external antenna onto 49 mhz...
It seems remenisant of those on 27 mhz that want to add extra things to 27 mhz radios... during the 70's.
Larry

----- Original Message -----
From: "Steven Coles" <scoles@...>
To: <49megahertz@yahoogroups.com>
Sent: Thursday, August 24, 2006 10:45 PM
Subject: Re: [49MHz] Looking for...

Larry,

Sorry. I'm not sure which loss you are talking about. In the late 1950s amateur radio lost 27 MHz (then usually called "11 meters") due primarily to under utilization. Another factor was manufactures inability to produce earlier 460 MHz CB classes at attract prices. Therefore they lobbied strongly for what became class-C Citizens band.

By the late 1960s businesses in many areas lost the use of 27 MHz CB due to non-business operators using it in ways impeding in-band business communications. Shortly thereafter 27 MHz became almost useless to the non-business CBers due to the limited channel quantity.

In the 1980s (somebody remember better?) the cost of VHF transistors and crystals dropped below the extra cost of longer telescoping antennas. Consequently manufacturers moved their Part-15 consumer walkie talkies from 27 MHz to 49 MHz. An additional advantage of this move was reducing crosstalk between radio-controlled model cars and walkie talkies.

Later, after successfully requesting the creation of FRS, most manufacturers moved to new handheld transceiver designs on 460 MHz. FRS is essentially a reinstatement of a pre-27 MHz CB class. (Ain't that ironic?)

So 27 MHz has been something of a jinx band for every service to use it.

Are you writing about one of those events or something else?

73,

Steven

--- In 49megahertz@yahoogroups.com, "larry allen" <larya@...> wrote:
>
> Maybe I am exaggerating a bit but isn't that kind of thinking what
lead to
> the demise of 27 mhz?...
> Larry
>

1021. Re: [49MHz] Looking for...

Yahoo group: 49megahertz
Date: 2006-08-25 17:12:38 UTC
From: KD7JYK
Topic: 1017 Message: 1021

You first, and most importantly, need to research what those bands are actually designed and used for. If you think voice for two way communications only, you are wrong. Start by reading part 15 and part 95 in their etirety to find out the purpose of the bands, the equipment and modulation types permited and the frequencies and ranges used and in what steps and at what powers. Don't read abridged versions that cut out 99% of what isn't related to a particular subject, such as CB, read the entire 47 CFR Parts 15 and Parts 95 as published by the Office Of The Federal Register. Then research all equipment manufactured to use each individual frequency in those bands for the past four to five decades or so (27 MHz) and the past three decades or so for 49 MHz, you may want to check out 72 - 76 MHz too. Once you've done that, please tell me how using a wireless modem on 49 MHz "seems remenisant of those on 27 mhz that want to add extra things to 27 mhz radios... during the 70's".

By the way 27 MHz had wireless modems too, I have one made by Fanon around 1976 and an "advanced" prototype from 1991. Pictures upon request. While I am thinking about it, I am looking for 26 and/or 39 tone cyclic encoders for the Fanon.

Kurt

1022. Re: [49MHz] Looking for...

Yahoo group: 49megahertz
Date: 2006-08-25 19:01:12 UTC
From: larry allen
Topic: 1017 Message: 1022

No offence, but I have better things to do with my time that read fcc
paperwork on the legal aspects of part whatever of 49 mhz.. etc....
I doubt if most of the users have done it either...
If the fcc regs say that you can use modems of 27 mhz or 49 or 72 mhz,
then more power to you...
Have a nice day...
Larry

----- Original Message -----
From: "KD7JYK" <kd7jyk@...>
To: <49megahertz@yahoogroups.com>
Sent: Friday, August 25, 2006 1:12 PM
Subject: Re: [49MHz] Looking for...

> You first, and most importantly, need to research what those bands are
> actually designed and used for. If you think voice for two way
> communications only, you are wrong. Start by reading part 15 and part
> 95 in
> their etirety to find out the purpose of the bands, the equipment and
> modulation types permited and the frequencies and ranges used and in
> what
> steps and at what powers. Don't read abridged versions that cut out 99%
> of
> what isn't related to a particular subject, such as CB, read the entire
> 47
> CFR Parts 15 and Parts 95 as published by the Office Of The Federal
> Register. Then research all equipment manufactured to use each
> individual
> frequency in those bands for the past four to five decades or so (27
> MHz)
> and the past three decades or so for 49 MHz, you may want to check out
> 72 -
> 76 MHz too. Once you've done that, please tell me how using a wireless
> modem on 49 MHz "seems remenisant of those on 27 mhz that want to add
> extra
> things to 27 mhz radios... during the 70's".
>
> By the way 27 MHz had wireless modems too, I have one made by Fanon
> around
> 1976 and an "advanced" prototype from 1991. Pictures upon request.
> While I
> am thinking about it, I am looking for 26 and/or 39 tone cyclic encoders
> for
> the Fanon.
>

> Kurt
>
>

1023. Converting CB Beam to 49-MHz reception or Ham

Yahoo group: 49megahertz
Date: 2006-08-26 03:06:48 UTC
From: Steven Coles
Topic: 1023 Message: 1023

All,

Little needs saying beyond the headline. The SixClub reflector has a thread going about converting a 3-element CB Yagi to the 50-54 MHz amateur radio band.

Obviously, such a Yagi could also be converted to 10-meter amateur radio or 49-MHz reception. The conversion requires a screwdriver, socket set, drill, tape measure, marking pen, tubing cutter, and a book or website with Yagi formulae or dimensions for the desired band.

I have not performed the conversion the SixClub is discussing. But I've successfully converted an FM broadcast receiving antenna to the 144-148 MHz amateur radio band-a one evening project. A CB to 49-MHz conversion requires less precise measurements, fewer holes to drill, and fewer elements to cut.

Cheers,

Steven

1024. 49 MHz Stereo TX on ebay.

Yahoo group: 49megahertz
Date: 2006-08-27 04:05:30 UTC
From: KD7JYK
Topic: 1024 Message: 1024

```
Flexvision 49 MHz Wireless Transmitter P/N WTXRFO1
Current bid: $15.99 (0 Bids)
Buy It Now $18.00
Shipping: +$5.00
End time: Sep-01-06 22:35 PDT
```

1025. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2006-09-02 00:51:01 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 1025

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

1026. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2006-10-01 22:33:01 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 1026

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

1027. halloween broadcast

Yahoo group: 49megahertz
Date: 2006-10-16 16:48:01 UTC
From: allan egleston
Topic: 1027 Message: 1027

Am planning halloween events for kallan. Also am planning to get a wired plannet dj for simulcast on 1610 k.c. bye for now Allan

1028. FOR SALE: MAXON 49-B5 BASE STATION - Mint Condition - 5 Channels - w/ pwr cube

Yahoo group: 49megahertz
Date: 2006-10-21 09:43:46 UTC
From: H.I. Shieber
Topic: 1028 Message: 1028

Prefer to sell to someone in the 49 Mhz group. This radio has been tested and is in mint condition. I'll be happy to send pictures to anyone interested. I never had the time to play with it and it has been sitting on a shelf in the closet for 15 years. Comes with power cube. No manual and I don't have original box. Asking $50 (includes priority mailing). Prefer PayPal but will accept USPO money order. -- Thanks/73, Howard, K7HI

1029. FOR SALE: MAXON 49-B5 BASE STATION - Mint Condition - 5 Channels - w/ pwr cube

Yahoo group: 49megahertz
Date: 2006-10-24 12:23:15 UTC
From: H.I. Shieber
Topic: 1028 Message: 1029
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1030. FOR SALE: MAXON 49-B5 BASE STATION - Mint Condition - 5 Channels - w/ pwr cube

Yahoo group: 49megahertz
Date: 2006-10-28 14:46:04 UTC
From: H.I. Shieber
Topic: 1028 Message: 1030
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1031. cvs drug stores

Yahoo group: 49megahertz
Date: 2006-10-29 19:31:11 UTC
From: Bruce
Topic: 1031 Message: 1031

here in tampabay some cvs stores have 2 packs of reg am 49 mhz ht's
under 10 bucks

1032. big broadcast

Yahoo group: 49megahertz
Date: 2006-11-01 02:23:35 UTC
From: allan egleston
Topic: 931 Message: 1032

AM in the process of doing a broadcast on 49.86 was doing Halloween music and ran my sound fx disk. Had problems with that disk and now into big band mx. Happy halloween. Am going to transfer my Halloweeen wavs onto cd from floppy and be ready for next year. And if somone asks why I doo this, This one does it for the fun of Bradcasting. And because it is there. (the old mountainerring saying) Also , THis one is a ham (kf6uxj. Have fun. Allan

1033. FOR SALE: MAXON 49-B5 BASE STATION - Mint Condition - 5 Channels - w/ pwr cube

Yahoo group: 49megahertz
Date: 2006-11-01 02:29:48 UTC
From: H.I. Shieber
Topic: 1028 Message: 1033
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1034. File - Suggested Frequencies

Yahoo group: 49megahertz
Date: 2006-11-01 10:36:21 UTC
From: 49megahertz@yahoogroups.com
Topic: 602 Message: 1034

These frequencies are the frequencies that the 49MHz ERC suggests you use for hobbyist operations. Because the 49MHz band is shared with military operations, petroleum operations, and the occasional public safety allocation; it's a good idea to stick to these frequencies for operations. They're allocated to Personal Radio.

49.8300MHz - Recommended Hobbyist Operations Freq
49.8450MHz
49.8600MHz - Recommended Hobbyist Operations Freq.
49.8750MHz
49.8900MHz

1035. Re: cvs drug stores

Yahoo group: 49megahertz
Date: 2006-11-04 17:04:29 UTC
From: Steven Coles
Topic: 1031 Message: 1035

Bruce,

Sorry if this doesn't fit. I'm very much a thing person and have trouble remembering people.

As you probably know, most under US$15 walkie talkies have superegenerative receivers and modulated oscillator transmitters. Consequently, when run as purchased their range is limited to about 80 to 300 meters depending on the model and terrain. If you're playing the science fiction equivalent to an SCA (Society for Creative Anachronism) game, that can be great. They have other, mostly fun, applications as purchased.

As you've probably read here before (and a couple points I'd like to make for new members), you can modify the receiver and you can use these bargains in QRSS mode.

I've disabled the transmitter function on one of the bargain walkie talkies and repackaged it in a canned ham can. The extra space allows addition of a BNC connector for a more effective antenna, a volume control, a regeneration control, a headphone jack, and a wall-wart jack. (A wall wart is a low voltage power supply with the box plugging directly into the outlet and a low-voltage wire running to the powered device□very common as battery eliminators for consumer products.) Because the RF transistor (a 2SC9018) would not be used for transmitting, I increased its emitter resister value to achieve better receiving sensitivity.

Popping the top off the ham can allows accessing the receiver's tuning coil with a non-metallic screwdriver. Thereby, the receiver can be tuned over a couple MHz. You can listen to all five 49-MHz Part-15 channels and the lower few hundred kHz of the amateur radio 6 meter band.

The regeneration control allows setting the 2SC9018 transistor's bias for optimum performance. With these modifications the receiver can hear transmitters from twice the distance or more. Twice the range is four times the area.

Going the other way around, a 49-MHz to HF converter into a communications receiver with its audio into a computer sound card can receive an unmodified walkie talkie transmitter keyed in QRSS (very slow radio telegraph) from a distance of about 1500 meters. Free software for receiving QRSS can be found on the web under the names Argo, Gram, Spectrum Lab, and Spectran.

As I've not pushed the fun-with-bargains possibilities to their limits, I'd like to read what others have done.

Cheers,

Steven, KD7YTE

--- In 49megahertz@yahoogroups.com, "Bruce" <wa4gch@...> wrote:
>
> here in tampabay some cvs stores have 2 packs of reg am 49 mhz ht's
> under 10 bucks
>

1036. FOR SALE: MAXON 49-B5 BASE STATION - Mint Condition - 5 Channels - w/ pwr cube

Yahoo group: 49megahertz
Date: 2006-11-05 00:26:37 UTC
From: H.I. Shieber
Topic: 1028 Message: 1036
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1037. Update : 49 MHz walkie talkies spotted at places I have been

Yahoo group: 49megahertz
Date: 2006-11-15 23:41:38 UTC
From: Adam E.
Topic: 1037 Message: 1037

Hello,

I have seen walkie talkies at Family Dollar in my local area which kinda looked ok, but still operates on 49 MHz, and also at the Dollar General
I found a pair of walkie talkies for $5.00 at Dollar General (not kidding) that looked pretty neat looking and also has a code button up front and takes probably 3 AA batteries or 9 Volt battery. I will be posting the specs and pictures and also take them apart and post the pictures of the insides when I get a chance to buy them.

Ok take care for now.

73! 49N4AE

1038. Re: [49MHz] Update : 49 MHz walkie talkies spotted at places I have been

Yahoo group: 49megahertz
Date: 2006-11-16 01:00:05 UTC
From: bruce mallon
Topic: 1037 Message: 1038

some CVS stores carry them too

--- "Adam E." <gccengineering@...> wrote:

>
> Hello,
>
> I have seen walkie talkies at Family Dollar in my
> local area which
> kinda looked ok, but still operates on 49 MHz, and
> also at the Dollar
> General
> I found a pair of walkie talkies for $5.00 at Dollar
> General (not
> kidding) that looked pretty neat looking and also
> has a code button up
> front and takes probably 3 AA batteries or 9 Volt
> battery. I will be
> posting the specs and pictures and also take them
> apart and post the
> pictures of the insides when I get a chance to buy
> them.
>
> Ok take care for now.
>
> 73! 49N4AE
>
>
>
>
>
>

Sponsored Link

Mortgage rates near 39yr lows.
$310k for $999/mo. Calculate new payment!
www.LowerMyBills.com/lre

1039. maxon 49-h5 and 49-sx

Yahoo group: 49megahertz
Date: 2006-11-17 17:48:56 UTC
From: specialfolks1
Topic: 1039 Message: 1039

Does anyone have a schematic/board layout for either maxon unit ?
Also, does anyone have familiarity with the 49-sx and how well it's
VOX works with moderate outside audio noise since the microphone is
part of the ear pieces.

Thanks,
Herb

1040. File Submission

Yahoo group: 49megahertz
Date: 2006-11-20 17:00:35 UTC
From: Christopher Lee Rose
Topic: 1040 Message: 1040

To whom It May Concern,

My name is Christopher Rose. I am a licensed amateur operator with the call sign KF6SNJ. I have a deep interest in low power and homebrew operations, so I find this group quite interesting. I have just created a folder regarding conversion of 49Mhz walkie talkies to 6 meter amateur band. I have also uploaded the files that are in it. This is merely for the sake of keeping these files together. In truth, each file is a gif of the pages from 73 magazine which ran a three page article on this topic. I do hope that somebody will find the article helpful. I am planning to do this exact same project in the very near future. Perhaps I will even hear some of you on the band.

73,
Christopher Rose
KF6SNJ

1041. CHristmas broadcast

Yahoo group: 49megahertz
Date: 2006-12-01 18:43:59 UTC
From: allan egleston
Topic: 1041 Message: 1041

I will be transmitting on 49.86 to-morrow evening doin a Christmas music bcast. Happy Hollidays. ALlan

1042. Re: [49MHz] CHristmas broadcast

Yahoo group: 49megahertz
Date: 2006-12-01 19:47:18 UTC
From: bruce mallon
Topic: 1041 Message: 1042

am/fm?
--- allan egleston <allanegleston@...> wrote:

> I will be transmitting on 49.86 to-morrow evening
> doin a Christmas
> music bcast. Happy Hollidays. ALlan
>
>

Do you Yahoo!?
Everyone is raving about the all-new Yahoo! Mail beta.
http://new.mail.yahoo.com

1043. re: christmas Broadcast

Yahoo group: 49megahertz
Date: 2006-12-01 21:38:38 UTC
From: allan egleston
Topic: 1043 Message: 1043

f.m

1044. Re: [49MHz] re: christmas Broadcast

Yahoo group: 49megahertz
Date: 2006-12-01 23:08:46 UTC
From: larry allen
Topic: 1044 Message: 1044

virtually everything above 30 mhz, except aircraft and television video,
is FM...
Larry ve3fxq

----- Original Message -----
From: "allan egleston" <allanegleston@...>
To: <49megahertz@yahoogroups.com>
Sent: Friday, December 01, 2006 4:38 PM
Subject: [49MHz] re: christmas Broadcast

f.m

1045. Re: [49MHz] re: christmas Broadcast

Yahoo group: 49megahertz
Date: 2006-12-02 00:35:44 UTC
From: bruce mallon
Topic: 1044 Message: 1045

ok ill leave the scanner on .....

--- larry allen <larya@...> wrote:

> virtually everything above 30 mhz, except aircraft
> and television video,
> is FM...
> Larry ve3fxq
>
> ----- Original Message -----
> From: "allan egleston" <allanegleston@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Friday, December 01, 2006 4:38 PM
> Subject: [49MHz] re: christmas Broadcast
>
>
> f.m
>
>
>

Do you Yahoo!?
Everyone is raving about the all-new Yahoo! Mail beta.
http://new.mail.yahoo.com

1046. Re: [49MHz] CHristmas broadcast

Yahoo group: 49megahertz
Date: 2006-12-03 01:51:41 UTC
From: bruce mallon
Topic: 1041 Message: 1046

I have been lissing on 49.860 starting at 3pm EST
using a FT-100d and a 30 foot high 1/2 wave vertical.

--- bruce mallon <wa4gch@...> wrote:

> am/fm?
> --- allan egleston <allanegleston@...> wrote:
>
> > I will be transmitting on 49.86 to-morrow evening
> > doin a Christmas
> > music bcast. Happy Hollidays. ALlan
> >
> >
>
>
>
>
>

> Do you Yahoo!?
> Everyone is raving about the all-new Yahoo! Mail
> beta.
> http://new.mail.yahoo.com
>

Cheap talk?
Check out Yahoo! Messenger's low PC-to-Phone call rates.
http://voice.yahoo.com

1047. re: Christmas Broadcast

Yahoo group: 49megahertz
Date: 2006-12-03 14:34:07 UTC
From: allan egleston
Topic: 1047 Message: 1047

Broadcast starting from 4:30 pst to 5:30 pst Noted a few problems ,Such as the phono was set at the wrong speed, THe tape player wasnt set to play on tape and my audio out to tx jack was loose. Good thing THis one had the studio monitor turned on. 73 Allan

1048. Re: [49MHz] re: Christmas Broadcast

Yahoo group: 49megahertz
Date: 2006-12-03 14:45:35 UTC
From: bruce mallon
Topic: 1047 Message: 1048

I lissened from 3-11pm EST heard nothing but let me
know next time ...

Im in grid square EL-87 (TAMPABAY)

--- allan egleston <allanegleston@...> wrote:

> Broadcast starting from 4:30 pst to 5:30 pst Noted a
> few problems
> ,Such as the phono was set at the wrong speed, THe
> tape player wasnt
> set to play on tape and my audio out to tx jack was
> loose. Good thing
> THis one had the studio monitor turned on. 73 Allan
>
>

_____
Cheap talk?
Check out Yahoo! Messenger's low PC-to-Phone call rates.
http://voice.yahoo.com

1049. Re: [49MHz] re: Christmas Broadcast

Yahoo group: 49megahertz
Date: 2006-12-03 20:18:23 UTC
From: Adam E.
Topic: 1047 Message: 1049

Allen,

I will be doing a 49 MHz local transmission possibly tonight or
tommorrow playing Christmas comedy bits and good Christmas music.
I won't be running in 2 channel stereo like I did last summer cause
the receivers and connections are complicated. I will simply
be on just 49.860 MHz. But first I need to look around for them
I do have my base rig and its fun to use, and also I have another
cell phone look-alike walkie talkie. I don't know if you are going
to receive my signal, BUT if you do. I will have to send you a
JPEG of a QSL Card, but FCC regulations will keep it limited and
challenging. I'd wish i had a chance to receive your station,
but there is no outdoor antenna for 49 MHz yet and I bet there is
no F2 or Sporadic E skip, possibly why the other listener could
not hear the signal. Soon I may just get a podcast kit and podcast
my transmission or make a sample soon of my broadcast. You should do
that also in the future is to make a podcast of your broadcast.

Happy Holidays and Fun DX!

Adam E.
49N4AE Virginia Beach VA

--- In 49megahertz@yahoogroups.com, bruce mallon <wa4gch@...> wrote:
>
> I lissened from 3-11pm EST heard nothing but let me
> know next time ...
>
> Im in grid square EL-87 (TAMPABAY)
>
>
> --- allan egleston <allanegleston@...> wrote:
>
> > Broadcast starting from 4:30 pst to 5:30 pst Noted a
> > few problems
> > ,Such as the phono was set at the wrong speed, THe
> > tape player wasnt
> > set to play on tape and my audio out to tx jack was
> > loose. Good thing
> > THis one had the studio monitor turned on. 73 Allan
> >
> >
>
>
>
>

>

> Cheap talk?
> Check out Yahoo! Messenger's low PC-to-Phone call rates.
> http://voice.yahoo.com
>

1050. re:christmas broadcast

Yahoo group: 49megahertz
Date: 2006-12-03 21:07:39 UTC
From: allan egleston
Topic: 1050 Message: 1050

TO Adem E. drat and doublle dreat! Will be at a church related pot luck this evening. Rats! I am located in the California town of Sonora and in the foothills of the Sierra Nevada and 300 mi from San fransisco. AM about an Hour away from Yo-simity National/ My rig consists of a baby monitor and 3 foot mag mount antenna stuck in my 2nd story apartment window faceing south. I cn see down town sonora from my window. Adem. Good luck w your bcst. 73 de Allan.

1051. Re: [49MHz] re: Christmas Broadcast

Yahoo group: 49megahertz
Date: 2006-12-03 22:24:12 UTC
From: KD7JYK
Topic: 1047 Message: 1051

By any chance did anyone grab all those 49 MHz professional wireless audio link stereo dual frequency transmitters an ebay that started for about a penny and just a few dollars shipping?

Kurt

I won't be running in 2 channel stereo like I did last summer cause the receivers and connections are complicated.

1052. radio shack 21-402

Yahoo group: 49megahertz
Date: 2006-12-25 03:44:32 UTC
From: jay2at434va
Topic: 1052 Message: 1052

Guys I have a radio shack 5 channel FM handheld that I've had around for several years. Just broke it out of the closet, and would like to try to bring it up on 6 meters.

The xtal in this thing is 10.240. Does anyone know what I would need to do to bring it up to the low end of 6 meters? Thanks in advance.

Jay

1053. Re: [49MHz] radio shack 21-402

Yahoo group: 49megahertz
Date: 2006-12-25 03:58:34 UTC
From: bruce mallon
Topic: 1052 Message: 1053

That is the receiver crystal for the IF

you need to find the receiver crystal it should be
10.7 mhz from 49 mhz +/- and the transmitt crystal is
somewhere on the board too.

Back in the 70's we put AM units on 40.400 since FM is
on 52.525 so you will have to go all the way up there
it can be done ....

HOWEVER CRYSTALS TODAY RUN 40 BUCKS A PAIR !

Bruce
on 6 since 66
http://www.qrz.com/wa4gch

--- jay2at434va <jay@...> wrote:

> Guys I have a radio shack 5 channel FM handheld that
> I've had around
> for several years. Just broke it out of the closet,
> and would like to
> try to bring it up on 6 meters.
>
> The xtal in this thing is 10.240. Does anyone know
> what I would need
> to do to bring it up to the low end of 6 meters?
> Thanks in advance.
>
> Jay
>
>
>
>

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

1054. Re: radio shack 21-402

Yahoo group: 49megahertz
Date: 2006-12-25 05:26:58 UTC
From: Steven Coles
Topic: 1052 Message: 1054

Jay,

Your handheld transceiver appears to follow a common NBFM (narrow-band FM for newcomers) method of converting the received signal to 10.7 MHz. From there it performs a second conversion: 10.700 MHz ☐ 10.240 MHz = 460 kHz. If it contains a receiver IF/demodulator IC with a number in the MC3357 through MC3372 family, you'll find a good amount of information on the internet. MC3359 and MC3361 are the most common. You should have no problem unraveling how that part of your HT works. Very likely a standard AF amplifier chip will follow the IF/demodulator IC.

In the less likely event the transmitter uses an MC2833 NBFM transmitter, the internet offers a quantity of information on that IC, too. A discrete transistor RF "power" amplifier might follow the NBFM transmit IC.

Looks like
rec.radio.amateur.homebrew
discussed the same conversion a dozen years ago. It comes up when searching
"Converting the Radio Shack 5ch 49MHz ht to 6m" with no space in 49MHz. If converting the PLL is as painful as they say, I think I'd go for disabling it and using one transmitter and one local oscillator crystal for each frequency.

Have a nice holiday season.

Steven

--- In 49megahertz@yahoogroups.com, "jay2at434va" <jay@...> wrote:
>
> Guys I have a radio shack 5 channel FM handheld that I've had around
> for several years. Just broke it out of the closet, and would like
to
> try to bring it up on 6 meters.
>
> The xtal in this thing is 10.240. Does anyone know what I would
need
> to do to bring it up to the low end of 6 meters? Thanks in advance.
>
> Jay
>

1055. Re: radio shack 21-402

Yahoo group: 49megahertz
Date: 2006-12-25 17:31:17 UTC
From: Steven Coles
Topic: 1052 Message: 1055

Jay,

I just looked inside my 21-403. The chip set is:
LC7150
LM324
LM386
MC3357
Does this match your HT?
Lets se what we can do with the FM simplex 51.500 - 51.600 segment:
LC7150 Ch 1 Tx = 24.8350 MHz: 24.8350 MHz + 26.640* MHz = 51.475 MHz
LC7150 Ch 3 Tx = 24.9300 MHz: 24.9300 MHz + 26.640* MHz = 51.570 MHz
LC7150 Ch 5 Tx = 24.9375 MHz: 24.9375 MHz + 26.640* MHz = 51.5775 MHz
LC7150 Ch 7 Tx = 24.9450 MHz: 24.9450 MHz + 26.640* MHz = 51.585 MHz
LC7150 Ch 9 Tx = 24.9950 MHz: 24.9950 MHz + 26.640* MHz = 51.635 MHz

LC7150 Ch 1 Rx = 35.915 MHz: 35.915 + 4.938* +10.7 = 51.553 MHz
LC7150 Ch 2 Rx = 35.935 MHz: 35.935 + 4.938* +10.7 = 51.573 MHz
LC7150 Ch 3 Rx = 35.975 MHz: 35.975 + 4.938* +10.7 = 51.613 MHz
LC7150 Ch 4 Rx = 36.015 MHz: 36.015 + 4.938* +10.7 = 51.653 MHz
LC7150 Ch 5 Rx = 36.035 MHz: 36.035 + 4.938* +10.7 = 51.673 MHz
*26.640 MHz & 4.938 MHz crystals are advertised at
http://www.surplussales.com/Crystals/Crystals-4.html

That's not a great match. But it is encouraging enough to put 10
channels and the available crystals into a spreadsheet and search for
a way to heterodyne to 6 meters.

Have a nice holiday season.

Steven

--- In 49megahertz@yahoogroups.com, "jay2at434va" <jay@...> wrote:
>
> Guys I have a radio shack 5 channel FM handheld that I've had around
> for several years. Just broke it out of the closet, and would like
to
> try to bring it up on 6 meters.
>
> The xtal in this thing is 10.240. Does anyone know what I would
need
> to do to bring it up to the low end of 6 meters? Thanks in advance.
>
> Jay
>

1056. Membership 49Mhz Radio Club

Yahoo group: 49megahertz
Date: 2006-12-12 05:14:49 UTC
From: Christopher Lee Rose
Topic: 1056 Message: 1056

I have tried four different web browsers to submit the online membership application from the official website. It is not working for me. The web browsers I have tried are Opera, Mozilla (FireFox), Flock, and Nvu (which isn't technically a web browser, but it works). Any suggestions?

1057. Re: [49MHz] Membership 49Mhz Radio Club

Yahoo group: 49megahertz
Date: 2006-12-27 02:13:00 UTC
From: KB3HFP
Topic: 1056 Message: 1057

On Dec 12, 2006, at 12:14 AM, Christopher Lee Rose wrote:

> I have tried four different web browsers to submit the online
> membership application from the official website. It is not working
> for me. The web browsers I have tried are Opera, Mozilla (FireFox),
> Flock, and Nvu (which isn't technically a web browser, but it works).
> Any suggestions?

I responded to this email off-list, but if anyone else has been
having trouble with the web form, please contact me off-list and I
can send you the information directly. Thanks!

1058. Re: [49MHz] Membership 49Mhz Radio Club

Yahoo group: 49megahertz
Date: 2006-12-29 01:09:24 UTC
From: avalidid
Topic: 1056 Message: 1058

quoting:
>
> I responded to this email off-list, but if anyone else has been
> having trouble with the web form, please contact me off-list and I
> can send you the information directly. Thanks!

I took a look at the form. It just opens an empy email addressed to
49mhzerc(AT)hotpop(DOT)com . Using IE6, all latest patches.

It looks like that email is dead anyway.

550 <49mhzerc(AT)hotpop(DOT)com>: Recipient address rejected: Account
closed due to inactivity. No forwarding information is available.

1059. 49 MHz radios.

Yahoo group: 49megahertz
Date: 2007-01-06 20:43:58 UTC
From: KD7JYK
Topic: 1059 Message: 1059

A pair of Maxon 49 MHz radios has show up on that auction place...

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=260072970085&ssPageName=ADME:B:SS:US:1

Kurt

1060. New Personal Distance Record

Yahoo group: 49megahertz
Date: 2007-04-09 21:53:45 UTC
From: kb7ino_egroups
Topic: 1060 Message: 1060

Hey!

Last weekend I set a new distance record 1.1 miles!

The Transmitter was a Maxon single channel (channel A) radio.

The Receiver was my Icom 703+ with a 1/4 antenna on the top of my car.

I drove about 0.5 miles and lost the signal do to other Baby Monitors.
I kept going to a 1.1 miles and went up a hill.
I heard my transmitter again... it was competing against other local
Baby Monitors, but I did hear it!

Hey... this is kinda fun!

-Peter

P.S. What are some of the pther distance records on this list?

1061. Re: [49MHz] New Personal Distance Record

Yahoo group: 49megahertz
Date: 2007-04-09 22:20:25 UTC
From: KD7JYK
Topic: 1061 Message: 1061

Mine is around 1200 feet, but that was in the big city surrounded by trees, a 1/4 whip on the TX, no ground plane, between 2 story houses and a 6" whip on a Uniden BC-200 at around 5'. I have no idea what the power out was, I had no way to measure it them, my TX was a 49 MHz remote control running off a 9V battery. This was about 13 years ago, haven't tried since. I have the equipment, just never seem to have the time.

Kurt, 49H7KR

----- Original Message -----
From: "kb7ino_egroups" <kb7ino_egroups@...>

Last weekend I set a new distance record 1.1 miles!

1062. Re: New Personal Distance Record

Yahoo group: 49megahertz
Date: 2007-04-10 05:03:15 UTC
From: Steven Coles
Topic: 1060 Message: 1062

Peter,

That's great! You beat me by 0.2 mile. You've given me an incentive to give it another go. Wait a minute! Are you next to Bridle Trails? I work in the North Creek Business Park just North of Woodinville.

73,

Steven, KD7YTE

--- In 49megahertz@yahoogroups.com, "kb7ino_egroups" <kb7ino_egroups@...> wrote:
>
> Hey!
>
> Last weekend I set a new distance record 1.1 miles!
>
> The Transmitter was a Maxon single channel (channel A) radio.
>
> The Receiver was my Icom 703+ with a 1/4 antenna on the top of my car.
>
> I drove about 0.5 miles and lost the signal do to other Baby Monitors.
> I kept going to a 1.1 miles and went up a hill.
> I heard my transmitter again... it was competing against other local
> Baby Monitors, but I did hear it!
>
> Hey... this is kinda fun!
>
> -Peter
>
> P.S. What are some of the pther distance records on this list?
>

1063. Re: [49MHz] Re: New Personal Distance Record

Yahoo group: 49megahertz
Date: 2007-04-10 05:32:08 UTC
From: Peter Abraham - KB7INO
Topic: 1060 Message: 1063

HEY!

Yes I do live near Bridal Trails.
I was on 140th Ave driving parallel Bridal Trails
State Park. The road I drove down is between the golf
course and a big open forest area (i.e. there were no
houses with potential baby monitors).

I wonder if I were able to try a different channel
(with less interference) just how far I could go... my
current radio only had 49.83 MHz.

You have to try and beat me now!

-Peter
KB7INO

P.S. I was looking through the messages, and one
person (in message 719) went ~5 miles.

No need to miss a message. Get email on-the-go
with Yahoo! Mail for Mobile. Get started.
http://mobile.yahoo.com/mail

1064. [49MHz] Re: New Personal Distance Record

Yahoo group: 49megahertz
Date: 2007-04-10 10:46:20 UTC
From: Steven Coles
Topic: 1060 Message: 1064

Peter,

If your Maxon is similar to the SX-49, it uses dual conversion with the first IF at 16 MHz and the second at 455 MHz. According to the manual at

http://www.rfwiz.com/Maxon/Manuals/49-SX.pdf

it can be recrystaled to 49.830, 49.845, and 49.890 MHz. You might find crystals at Surplus Sales of Nebraska.

http://www.surplussales.com/Crystals/Crystals-7.html

Oops! If your 1st LO is 16 MHz below the channel, you'd be on 49.8888 MHz with their closest crystal (33.88888 MHz). Oh well. (For those with 10.7-MHz 1st IFs, you'd land on 49.8444 MHz with the closest SSN crystal (39.14444 MHz□might be able to "bend" the crystal to 49.845 by changing a capacitor.)

Anybody have better info and a good crystal source?

Maybe we should do a Marymoor Park distance check so there'd be a recent QSO on this group.

Steven, KD7YTE

--- In 49megahertz@yahoogroups.com, Peter Abraham - KB7INO <kb7ino_egroups@...> wrote:
>
> HEY!
>
> Yes I do live near Bridal Trails.
> I was on 140th Ave driving parallel Bridal Trails
> State Park. The road I drove down is between the golf
> course and a big open forest area (i.e. there were no
> houses with potential baby monitors).
>
> I wonder if I were able to try a different channel
> (with less interference) just how far I could go... my
> current radio only had 49.83 MHz.
>
> You have to try and beat me now!
>
> -Peter
> KB7INO
>
> P.S. I was looking through the messages, and one

> person (in message 719) went ~5 miles.
>
>
>
>
>
>

> No need to miss a message. Get email on-the-go
> with Yahoo! Mail for Mobile. Get started.
> http://mobile.yahoo.com/mail
>

1065. Re: [49MHz] Re: New Personal Distance Record

Yahoo group: 49megahertz
Date: 2007-04-11 02:09:04 UTC
From: Peter Abraham - KB7INO
Topic: 1060 Message: 1065

Hello!

> If your Maxon is similar to the SX-49,
I have a Maxon 49-SA which I got back in the late 80s
(1988 I think)... hard to believe I've had it for
almost 20 years! In 1995 I modified it, I added an
antenna connector and a 1/8" line in jack.

> Maybe we should do a Marymoor Park distance check so
> there'd be a recent QSO on this group.
Sounds good to me!
I have 2 2mtr 5/8 wave magmounts which load up great
on 6 mtrs/49 MHz. Plus I have a GPS that we could use
to measure distance.

-Peter
KB7INO

The fish are biting.
Get more visitors on your site using Yahoo! Search Marketing.
http://searchmarketing.yahoo.com/arp/sponsoredsearch_v2.php

1066. Re: [49MHz] Re: New Personal Distance Record

Yahoo group: 49megahertz
Date: 2007-04-11 10:59:45 UTC
From: bruce mallon
Topic: 1060 Message: 1066

I also have a maxon 5 ch Ill have to restore my 49 mhz
station and get it back on.

.
--- Peter Abraham - KB7INO <kb7ino_egroups@...>
wrote:

> Hello!
>
> > If your Maxon is similar to the SX-49,
> I have a Maxon 49-SA which I got back in the late
> 80s
> (1988 I think)... hard to believe I've had it for
> almost 20 years! In 1995 I modified it, I added an
> antenna connector and a 1/8" line in jack.
>
>
> > Maybe we should do a Marymoor Park distance check
> so
> > there'd be a recent QSO on this group.
> Sounds good to me!
> I have 2 2mtr 5/8 wave magmounts which load up great
> on 6 mtrs/49 MHz. Plus I have a GPS that we could
> use
> to measure distance.
>
>
> -Peter
> KB7INO
>
>
>
>
>

> The fish are biting.
> Get more visitors on your site using Yahoo! Search
> Marketing.
>
http://searchmarketing.yahoo.com/arp/sponsoredsearch_v2.php
>

Be a PS3 game guru.
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http://videogames.yahoo.com/platform?platform=120121

1067. [49MHz] Re: New Personal Distance Record

Yahoo group: 49megahertz
Date: 2007-04-12 04:08:57 UTC
From: Steven Coles
Topic: 1060 Message: 1067

Peter,

Sorry for the late reply. I'm having a little connectivity problem here.

Looks like Sunday would be the earliest I could get out for a test. I
don't drive. I'll have to check the Metro Transit trip planner page.
But should have no problem finding a route to any popular place.

Maybe a magmount would stick to my head. For a first baseline test
I'd be happy just to find out what my unmodified Radio Shack 5-channel
does in FM. I was keying it in a quazi QRSS mode to reach the 5000+
foot mark.

Steven, KD7YTE

--- In 49megahertz@yahoogroups.com, Peter Abraham - KB7INO
<kb7ino_egroups@...> wrote:
>
> Hello!
>
> > If your Maxon is similar to the SX-49,
> I have a Maxon 49-SA which I got back in the late 80s
> (1988 I think)... hard to believe I've had it for
> almost 20 years! In 1995 I modified it, I added an
> antenna connector and a 1/8" line in jack.
>
>
> > Maybe we should do a Marymoor Park distance check so
> > there'd be a recent QSO on this group.
> Sounds good to me!
> I have 2 2mtr 5/8 wave magmounts which load up great
> on 6 mtrs/49 MHz. Plus I have a GPS that we could use
> to measure distance.
>
>
> -Peter
> KB7INO
>
>
>
>
>

> The fish are biting.
> Get more visitors on your site using Yahoo! Search Marketing.
> http://searchmarketing.yahoo.com/arp/sponsoredsearch_v2.php

>

1069. Re: [49MHz] Re: New Personal Distance Record

Yahoo group: 49megahertz
Date: 2007-04-13 19:40:14 UTC
From: Peter Abraham - KB7INO
Topic: 1060 Message: 1069

Hey!

Sunday would be good in the afternoon, but the is a chance of rain.

Should we try this week, or perhaps put if off a few weeks until the weather gets better?

About the antennas, I figured on parking the car at one end and putting the Transmitter there.

For the Receiver, walking around with the 5/8 mount on a day pack. I have a ski-slot so I can mounting the antenna is possible... to bad I don't have one of those 6 mtr twin lead J-Poles.

Now that I think about it, I could load up a ~12' wire... that would be 5/8 wave on 49 MHz! I would attach the antenna to a fishing pole and secure teh fishing pole to the ski slot... The IC-703 has an internal ATU, so loading it up would not be a problem... I did this for 17 mtrs once... worked just fine.

-Peter

--- Steven Coles <steven_coles@...> wrote:

> Peter,
>
> Sorry for the late reply. I'm having a little
> connectivity problem here.
>
> Looks like Sunday would be the earliest I could get
> out for a test. I
> don't drive. I'll have to check the Metro Transit
> trip planner page.
> But should have no problem finding a route to any
> popular place.
>
> Maybe a magmount would stick to my head. For a
> first baseline test
> I'd be happy just to find out what my unmodified
> Radio Shack 5-channel
> does in FM. I was keying it in a quazi QRSS mode to
> reach the 5000+
> foot mark.

>
> Steven, KD7YTE
>
> --- In 49megahertz@yahoogroups.com, Peter Abraham -
> KB7INO
> <kb7ino_egroups@...> wrote:
> >
> > Hello!
> >
> > > If your Maxon is similar to the SX-49,
> > I have a Maxon 49-SA which I got back in the late
> 80s
> > (1988 I think)... hard to believe I've had it for
> > almost 20 years! In 1995 I modified it, I added
> an
> > antenna connector and a 1/8" line in jack.
> >
> >
> > > Maybe we should do a Marymoor Park distance
> check so
> > > there'd be a recent QSO on this group.
> > Sounds good to me!
> > I have 2 2mtr 5/8 wave magmounts which load up
> great
> > on 6 mtrs/49 MHz. Plus I have a GPS that we could
> use
> > to measure distance.
> >
> >
> > -Peter
> > KB7INO
> >
> >
> >
> >
> >
>

> > The fish are biting.
> > Get more visitors on your site using Yahoo! Search
> Marketing.
> >
>
http://searchmarketing.yahoo.com/arp/sponsoredsearch_v2.php
> >
>
>
>

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http://mail.yahoo.com

1070. Re: [49MHz] Re: New Personal Distance Record

Yahoo group: 49megahertz
Date: 2007-04-13 20:01:39 UTC
From: bruce mallon
Topic: 1060 Message: 1070

JAN crystals in fort myers fl

--- w0jrt <w0jrt@...> wrote:

> I once re-crystaled one of the radio shack single
> channel 49 MHz
> radios for 6m. I purchased my custom crystals from:
> http://www.icmfg.com/buildcrystal.html. The service
> was fast, as I
> recall. The only bad part is that I spent a lot
> more on the crystals
> that I did on the original radio (purchased when
> they were closing
> them out.)
>
> -Jerome
>
> --- In 49megahertz@yahoogroups.com, "Steven Coles"
> <steven_coles@...>
> wrote:
> >
> >
> > Anybody have better info and a good crystal
> source?
> >
>
>
>

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Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

1071. [49MHz] Re: New Personal Distance Record

Yahoo group: 49megahertz
Date: 2007-04-13 23:30:59 UTC
From: Steven Coles
Topic: 1060 Message: 1071

Peter,

Better than cold drizzle? I sent an email to your web page address so
you can capture my email address.

73,

Steven

--- In 49megahertz@yahoogroups.com, Peter Abraham - KB7INO
<kb7ino_egroups@...> wrote:
>
> Hey!
>
> Sunday would be good in the afternoon, but the is a
> chance of rain.
>
> Should we try this week, or perhaps put if off a few
> weeks until the weather gets better?
>
> About the antennas, I figured on parking the car at
> one end and putting the Transmitter there.
>
> For the Receiver, walking around with the 5/8 mount on
> a day pack. I have a ski-slot so I can mounting the
> antenna is possible... to bad I don't have one of
> those 6 mtr twin lead J-Poles.
>
> Now that I think about it, I could load up a ~12'
> wire... that would be 5/8 wave on 49 MHz! I would
> attach the antenna to a fishing pole and secure teh
> fishing pole to the ski slot... The IC-703 has an
> internal ATU, so loading it up would not be a
> problem... I did this for 17 mtrs once... worked just
> fine.
>
> -Peter
>
>

1072. [49MHz] Re: New Personal Distance Record

Yahoo group: 49megahertz
Date: 2007-04-21 15:35:06 UTC
From: Steven Coles
Topic: 1060 Message: 1072

: 3 km Report

All,

Had a chaotic week due to cubical and lab space rearrangements. But I noticed the below post to the VHFAM group using 49-MHz walkie-talkies converted to 6-meter amateur radio.

Steven

"Not the same rig, but M0BXT and I did a test on 6m AM 18 months ago with Andrew using a small 49MHz AM rig with helical antenna retuned to about 50.7MHz. I was using my FT817 at my end into my colinear 3kms away and we JUST made contact. I'm sure with a decent whip and counterpoise as opposed to a very short, off-tune helical it would have been a solid QSO.

"Sounds like worth buying some and experimenting! Any idea what frequency TX crystal used (x2?)

"73s
"Roger"

1073. Whats going on in 49 MHz radio this summer??

Yahoo group: 49megahertz
Date: 2007-07-13 02:07:43 UTC
From: Adam E.
Topic: 1073 Message: 1073

Hello, Heres my update for 49 MHz summer hobbyists,

Whats going on in the 49 MHz region? Has anything been accomplished lately here in the group? Has anyone built anything to improve reception. I have been checking in and out on the 49 MHz bands and the good news is that in the new location the 49 MHz reception in the apartment complex is good and open, so when I go spend the night at my friends apartment I will be going on the air on 49.860 MHz soon with music or just plain announcements.

I still have not got a chance to build a outdoor dipole antenna for my scanner radio. I will be checking the bands like I should and also leave the radio set to 49.860 MHz for incoming communications. Right now all the cordless phones are gone in this area so there is a good chance I will be getting back into it for summer 49 MHz skip if propagation permits.

I think I will also occasionally check for 6 meter openings I hope one day the MUF will be there soon. Can someone give out propagation reports and band openings here? So I can motivated in the 49 MHz region? Right now I hope everyone has a great summer and hang in there 49ers 73 and great DX!

49N4AE

1074. Re: [49MHz] Whats going on in 49 MHz radio this summer??

Yahoo group: 49megahertz
Date: 2007-07-13 10:02:50 UTC
From: bruce mallon
Topic: 1073 Message: 1074

Let me know I hope to get started on rebuilding my
49.860 station .... right now work is taking up all of
my time.

Bruce

on 6 since 66

--- "Adam E." <gccengineering@...> wrote:

>
> Hello, Heres my update for 49 MHz summer hobbyists,
>
>
> Whats going on in the 49 MHz region? Has anything
> been accomplished
> lately here in the group? Has anyone built
> anything to improve
> reception. I have been checking in and out on the
> 49 MHz bands and
> the good news is that in the new location the 49 MHz
> reception in the
> apartment complex is good and open, so when I go
> spend the night at my
> friends apartment I will be going on the air on
> 49.860 MHz soon with
> music or just plain announcements.
>
> I still have not got a chance to build a outdoor
> dipole antenna for
> my scanner radio. I will be checking the bands like
> I should and
> also leave the radio set to 49.860 MHz for incoming
> communications.
> Right now all the cordless phones are gone in this
> area so there is a
> good chance I will be getting back into it for
> summer 49 MHz skip if
> propagation permits.
>
> I think I will also occasionally check for 6 meter
> openings I hope
> one day the MUF will be there soon. Can someone
> give out propagation
> reports and band openings here? So I can motivated
> in the 49 MHz

> region? Right now I hope everyone has a great
> summer and hang in
> there 49ers 73 and great DX!
>
> 49N4AE
>
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>
>
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>

Need Mail bonding?
Go to the Yahoo! Mail Q&A for great tips from Yahoo! Answers users.
http://answers.yahoo.com/dir/?link=list&sid=396546091

1075. Re: [49MHz] Whats going on in 49 MHz radio this summer??

Yahoo group: 49megahertz
Date: 2007-09-15 23:11:04 UTC
From: Adam E.
Topic: 1073 Message: 1075

I am back on the air doing a transmission of the Alex Jones Show
podcast and I have been enjoy listening to the program ever since.
Since they are on podcast it will be easy to air it to hear on my
radio at anytime.

I have found my old DSI 49 MHz walkie talkie, but still cannot find
the battery cover for it. I want to get some more gear that runs on
49 MHz I might have to shop online at ebay or in a rare place called
the flea market when I get transportation. I want to one day get that
49 MHz monitoring kit. Stereo broadcasting is not possible cause
of I don't have a dual tuner yet. I might have to buy 2 FM 49 MHz
receivers to do stereo transmission. The weather will be cooling down
finally.

Adam E.

--- In 49megahertz@yahoogroups.com, bruce mallon <wa4gch@...> wrote:
>
> Let me know I hope to get started on rebuilding my
> 49.860 station .... right now work is taking up all of
> my time.
>
> Bruce
>
> on 6 since 66
>
>
>
> --- "Adam E." <gccengineering@...> wrote:
>
> >
> > Hello, Heres my update for 49 MHz summer hobbyists,
> >
> >
> > Whats going on in the 49 MHz region? Has anything
> > been accomplished
> > lately here in the group? Has anyone built
> > anything to improve
> > reception. I have been checking in and out on the
> > 49 MHz bands and
> > the good news is that in the new location the 49 MHz
> > reception in the
> > apartment complex is good and open, so when I go
> > spend the night at my
> > friends apartment I will be going on the air on
> > 49.860 MHz soon with

> > music or just plain announcements.
> >
> > I still have not got a chance to build a outdoor
> > dipole antenna for
> > my scanner radio. I will be checking the bands like
> > I should and
> > also leave the radio set to 49.860 MHz for incoming
> > communications.
> > Right now all the cordless phones are gone in this
> > area so there is a
> > good chance I will be getting back into it for
> > summer 49 MHz skip if
> > propagation permits.
> >
> > I think I will also occasionally check for 6 meter
> > openings I hope
> > one day the MUF will be there soon. Can someone
> > give out propagation
> > reports and band openings here? So I can motivated
> > in the 49 MHz
> > region? Right now I hope everyone has a great
> > summer and hang in
> > there 49ers 73 and great DX!
> >
> > 49N4AE
> >
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> Need Mail bonding?
> Go to the Yahoo! Mail Q&A for great tips from Yahoo! Answers users.
> http://answers.yahoo.com/dir/?link=list&sid=396546091
>

1076. merry christmas

Yahoo group: 49megahertz
Date: 2007-11-29 14:57:37 UTC
From: bruce mallon
Topic: 1076 Message: 1076

have a great christmas guys

_____
Never miss a thing. Make Yahoo your home page.
http://www.yahoo.com/r/hs

1077. anyone home?

Yahoo group: 49megahertz
Date: 2008-02-21 01:28:23 UTC
From: bruce mallon
Topic: 1077 Message: 1077

anyone ?

_____
Never miss a thing. Make Yahoo your home page.
http://www.yahoo.com/r/hs

1078. Re: [49MHz] anyone home?

Yahoo group: 49megahertz
Date: 2008-02-21 03:25:57 UTC
From: Peter Abraham - KB7INO
Topic: 1077 Message: 1078

It has been kinda quiet... no activity for months.
Maybe things will pick up as summer approaches.

We should start planning to set some new distance
records this summer, last year I went to 1.1 miles...
maybe this year I need to find a big field to try to
break that record!

--- bruce mallon <wa4gch@...> wrote:

> anyone ?
>

_____
Looking for last minute shopping deals?
Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping

1079. Re: [49MHz] anyone home?

Yahoo group: 49megahertz
Date: 2008-02-21 03:28:25 UTC
From: Facility 406 DM09
Topic: 1077 Message: 1079

Seems the fellow running the list isn't... Many of my messages, and most likely this one too, won't make it because he hasn't been around a few months to approve some of them.

Kurt

----- Original Message -----
From: "bruce mallon" <wa4gch@...>
To: <49megahertz@yahoogroups.com>
Sent: Wednesday, February 20, 2008 17:28
Subject: [49MHz] anyone home?

: anyone ?
:
:
:

_____
: Never miss a thing. Make Yahoo your home page.
: http://www.yahoo.com/r/hs
:

1080. Re: [49MHz] anyone home?

Yahoo group: 49megahertz
Date: 2008-02-21 05:15:48 UTC
From: Wise Guy
Topic: 1077 Message: 1080

I am here, I thought it would be cool to take pics and list baby
monitors in the photos section along with model number, available specs etc.

Never miss a thing. Make Yahoo your home page.
http://www.yahoo.com/r/hs

1081. Re: [49MHz] anyone home?

Yahoo group: 49megahertz
Date: 2008-02-21 04:48:27 UTC
From: allan egleston
Topic: 1077 Message: 1081

--- Peter Abraham - KB7INO <kb7ino_egroups@...>
wrote:

> It has been kinda quiet... no activity for months.
> Maybe things will pick up as summer approaches.
>
> We should start planning to set some new distance
> records this summer, last year I went to 1.1
> miles...
> maybe this year I need to find a big field to try to
> break that record!
>
> --- bruce mallon <wa4gch@...> wrote:
>
> > anyone ?
> > hello, My name is Allan , kf6uxj , I live in
sonora ca and will be playing with narrow band tv on
49.86 . 74 de Allan kf6uxj
>
>
>
>
>

> Looking for last minute shopping deals?
> Find them fast with Yahoo! Search.
>
http://tools.search.yahoo.com/newsearch/category.php?category=shopping
>

1082. Re: [49MHz] anyone home?

Yahoo group: 49megahertz
Date: 2008-02-21 02:17:10 UTC
From: michael tyler
Topic: 1077 Message: 1082

monitoring the group.....:)
--- bruce mallon <wa4gch@...> wrote:

> anyone ?
>
>
>
>

> Never miss a thing. Make Yahoo your home page.
> http://www.yahoo.com/r/hs
>

www.wa8ywo.com

Never miss a thing. Make Yahoo your home page.
http://www.yahoo.com/r/hs

1083. Re: anyone home?

Yahoo group: 49megahertz
Date: 2008-02-21 06:21:05 UTC
From: Alan Giles
Topic: 1077 Message: 1083

I was thinking of posting a similar message myself. Seems very quiet.

Best wishes from London, Alan

--- In 49megahertz@yahoogroups.com, bruce mallon <wa4gch@...> wrote:
>
> anyone ?
>
>
>

> Never miss a thing. Make Yahoo your home page.
> http://www.yahoo.com/r/hs
>

1084. Re: [49MHz] anyone home?

Yahoo group: 49megahertz
Date: 2008-02-21 04:51:15 UTC
From: michael tyler
Topic: 1077 Message: 1084

Peter, i am new to the group. can you talk alittle
about your experiments? are you using part 15
equipment only? any mods?....thanks..mike
--- Peter Abraham - KB7INO <kb7ino_egroups@...>
wrote:

> It has been kinda quiet... no activity for months.
> Maybe things will pick up as summer approaches.
>
> We should start planning to set some new distance
> records this summer, last year I went to 1.1
> miles...
> maybe this year I need to find a big field to try to
> break that record!
>
> --- bruce mallon <wa4gch@...> wrote:
>
> > anyone ?
> >
>
>
>
>
>

> Looking for last minute shopping deals?
> Find them fast with Yahoo! Search.
>
http://tools.search.yahoo.com/newsearch/category.php?category=shopping
>

www.wa8ywo.com

Never miss a thing. Make Yahoo your home page.
http://www.yahoo.com/r/hs

1085. Re: [49MHz] Re: anyone home?

Yahoo group: 49megahertz
Date: 2008-02-21 12:43:10 UTC
From: bruce mallon
Topic: 1077 Message: 1085

I just bought several 49 mhz HT and im getting ready to play with them FCC ID number is l2599116 and walgreens here in Seminole Fl had some left over from Christmas.

----- Original Message ----
From: Alan Giles <alangiles242@...>
To: 49megahertz@yahoogroups.com
Sent: Thursday, February 21, 2008 1:21:05 AM
Subject: [49MHz] Re: anyone home?

I was thinking of posting a similar message myself. Seems very quiet.

Best wishes from London, Alan

--- In 49megahertz@ yahoogroups. com, bruce mallon <wa4gch@...> wrote:
>
> anyone ?
>
>
>

__________ _________ _________ _________ _________ _________ _
> Never miss a thing. Make Yahoo your home page.
> http://www.yahoo. com/r/hs
>

_____
Be a better friend, newshound, and
know-it-all with Yahoo! Mobile. Try it now.
http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ

1086. Re: [49MHz] anyone home?

Yahoo group: 49megahertz
Date: 2008-02-21 18:22:17 UTC
From: Fernando Krouwel
Topic: 1077 Message: 1086

Hi folks, good afternoon:

Wow! Signs of life in this group!!!

Fernando - PY2ETT

----- Original Message -----
From: bruce mallon
To: 49megahertz@yahoogroups.com
Sent: Wednesday, February 20, 2008 10:28 PM
Subject: [49MHz] anyone home?

anyone ?

_____
Never miss a thing. Make Yahoo your home page.
http://www.yahoo.com/r/hs

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.20.8/1289 - Release Date: 20/2/2008 10:26

1087. Nothing either in Puerto Rico

Yahoo group: 49megahertz
Date: 2008-02-21 21:35:23 UTC
From: alfa011@prtc.net
Topic: 1087 Message: 1087
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1088. Re: anyone home?

Yahoo group: 49megahertz
Date: 2008-02-21 22:37:15 UTC
From: Rascal Coyote
Topic: 1077 Message: 1088

Hello, I'm new to the group.

--- In 49megahertz@yahoogroups.com, bruce mallon <wa4gch@...> wrote:
>
> anyone ?
>
>
> ____
> Never miss a thing. Make Yahoo your home page.
> http://www.yahoo.com/r/hs
>

1089. Re: [49MHz] anyone home?

Yahoo group: 49megahertz
Date: 2008-02-22 05:02:13 UTC
From: Michael
Topic: 1077 Message: 1089

Hm, that's bizarre - every once in a blue moon I'll get an email from Yahoo to approve a pending message, but certainly not frequently, and you've been a member of the 49MHz list long enough that you shouldn't have to have your messages approved anyway. Please shoot me an email at this address if it happens again, sounds like something might be going wrong with Yahoo, or maybe emails are getting caught in my spam filter.

Thanks,

Mike

--- In 49megahertz@yahoogroups.com, "Facility 406 DM09" <facility_406@...> wrote:
>
> Seems the fellow running the list isn't... Many of my messages, and most
> likely this one too, won't make it because he hasn't been around a few
> months to approve some of them.
>
> Kurt
>
> ----- Original Message -----
> From: "bruce mallon" <wa4gch@...>
> To: <49megahertz@...m>
> Sent: Wednesday, February 20, 2008 17:28
> Subject: [49MHz] anyone home?
>
>
> : anyone ?
> :
> :
> :
> ~~~~~~
> ~~~~~~~~
> : Never miss a thing. Make Yahoo your home page.
> : http://www.yahoo.com/r/hs
> :
>

1090. Re: [49MHz] anyone home?

Yahoo group: 49megahertz
Date: 2008-02-22 06:41:45 UTC
From: Peter Abraham - KB7INO
Topic: 1077 Message: 1090

Hi,

My radio is a Maxon 49-SA, which I got in the late
80s.
It is one of those single channel head-set radios.

Well I modified it by removing the head set and adding
an PL259 antenna connector and a 1/8" jack for audio.

For an antenna, I used a ham radio one.
I used a 5/8 wave 2 meter antenna, which also
resonated on 6 meters... which is right above 49 MHz.

That was my transmitter.

My receiver I used a ham radio an IC-703, it is able
to listen to 49 Mhz. I also used the same type
antenna on my car.

--- michael tyler <michaeltylerwv@...> wrote:

> Peter, i am new to the group. can you talk alittle
> about your experiments? are you using part 15
> equipment only? any mods?....thanks..mike

Looking for last minute shopping deals?
Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping

1091. Re: [49MHz] Re: anyone home?

Yahoo group: 49megahertz
Date: 2008-02-22 11:35:03 UTC
From: bruce mallon
Topic: 1077 Message: 1091

As soon as I have some free time im going to put back up a base for 49.86 right now my day starts at 4 am ......

----- Original Message ----
From: Rascal Coyote <rascalcoyote@...>
To: 49megahertz@yahoogroups.com
Sent: Thursday, February 21, 2008 5:37:15 PM
Subject: [49MHz] Re: anyone home?

Hello, I'm new to the group.

--- In 49megahertz@ yahoogroups. com, bruce mallon <wa4gch@...> wrote:
>
> anyone ?
>
>
> ___________ _________ _________ _________ _________ _________ _
> Never miss a thing. Make Yahoo your home page.
> http://www.yahoo. com/r/hs
>

_____
Looking for last minute shopping deals?
Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping

1092. Re: [49MHz] Re: anyone home?

Yahoo group: 49megahertz
Date: 2008-02-22 12:49:22 UTC
From: michael tyler
Topic: 1077 Message: 1092

I have a tower about 3 miles from my house that has an
average height above terrain of 1000 ft and I am
thinking about putting a base there on 49.860 and link
to it via FRS....both are part 15 so should not get
into tooo much trouble doing that...we should see band
openings in the next couple years ...i'll bet i get
"you cant do that"!! from a bunch of people...thanks.
--- bruce mallon <wa4gch@...> wrote:

> As soon as I have some free time im going to put
> back up a base for 49.86 right now my day starts at
> 4 am ......
>
>
> ----- Original Message ----
> From: Rascal Coyote <rascalcoyote@...>
> To: 49megahertz@yahoogroups.com
> Sent: Thursday, February 21, 2008 5:37:15 PM
> Subject: [49MHz] Re: anyone home?
>
> Hello, I'm new to the group.
>
> --- In 49megahertz@ yahoogroups. com, bruce mallon
> <wa4gch@...> wrote:
> >
> > anyone ?
> >
> >
> > ____________ _________ _________ _________
> _________ _________ _
> > Never miss a thing. Make Yahoo your home page.
> > http://www.yahoo. com/r/hs
> >
>
>
>
>
>
>
>

> Looking for last minute shopping deals?
> Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping

www.wa8ywo.com

Looking for last minute shopping deals?
Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping

1093. Re: [49MHz] anyone home?

Yahoo group: 49megahertz
Date: 2008-02-22 22:49:48 UTC
From: Rascal Coyote
Topic: 1077 Message: 1093

Thank you.

--- In 49megahertz@yahoogroups.com, "Michael" <kb3hfp@...> wrote:
>
> Hm, that's bizarre - every once in a blue moon I'll get an email from Yahoo to approve a
> pending message, but certainly not frequently, and you've been a member of the 49MHz
> list long enough that you shouldn't have to have your messages approved anyway.
Please
> shoot me an email at this address if it happens again, sounds like something might be
> going wrong with Yahoo, or maybe emails are getting caught in my spam filter.
>
> Thanks,
>
> Mike
>
> --- In 49megahertz@yahoogroups.com, "Facility 406 DM09" <facility_406@> wrote:
> >
> > Seems the fellow running the list isn't... Many of my messages, and most
> > likely this one too, won't make it because he hasn't been around a few
> > months to approve some of them.
> >
> > Kurt
> >
> > ----- Original Message -----
> > From: "bruce mallon" <wa4gch@>
> > To: <49megahertz@yahoogroups.com>
> > Sent: Wednesday, February 20, 2008 17:28
> > Subject: [49MHz] anyone home?
> >
> >
> > : anyone ?
> > :
> > :
> > :
> > _____
> > _____
> > : Never miss a thing. Make Yahoo your home page.
> > : http://www.yahoo.com/r/hs
> > :
> >
>

1094. [49MHz] Re: anyone home?

Yahoo group: 49megahertz
Date: 2008-02-22 22:54:04 UTC
From: Rascal Coyote
Topic: 1077 Message: 1094

Wow, and I thought I had early starts for work.

1--- In 49megahertz@yahoogroups.com, bruce mallon <wa4gch@...> wrote:
>
> As soon as I have some free time im going to put back up a base for 49.86 right now my day starts at 4 am ......
>
>
> ----- Original Message ----
> From: Rascal Coyote <rascalcoyote@...>
> To: 49megahertz@yahoogroups.com
> Sent: Thursday, February 21, 2008 5:37:15 PM
> Subject: [49MHz] Re: anyone home?
>
> Hello, I'm new to the group.
>
> --- In 49megahertz@ yahoogroups. com, bruce mallon <wa4gch@> wrote:
> >
> > anyone ?
> >
> >
> > _____ _____ _____ _____ _____ _____ _
> > Never miss a thing. Make Yahoo your home page.
> > http://www.yahoo. com/r/hs
> >
>
>
>
>
>
>

_____
> Looking for last minute shopping deals?
> Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping
>

1095. Re: [49MHz] Re: anyone home?

Yahoo group: 49megahertz
Date: 2008-02-23 03:52:30 UTC
From: bruce mallon
Topic: 1077 Message: 1095

Back in the late 70's I had a base up 30 foot on a pole the entire transceiver was mounted with only a control cable into the shack it worked very well ......

----- Original Message ----
From: michael tyler <michaeltylerwv@...>
To: 49megahertz@yahoogroups.com
Sent: Friday, February 22, 2008 7:49:22 AM
Subject: Re: [49MHz] Re: anyone home?

I have a tower about 3 miles from my house that has an
average height above terrain of 1000 ft and I am
thinking about putting a base there on 49.860 and link
to it via FRS....both are part 15 so should not get
into tooo much trouble doing that...we should see band
openings in the next couple years ...i'll bet i get
"you cant do that"!! from a bunch of people...thanks.
--- bruce mallon <wa4gch@yahoo. com> wrote:

> As soon as I have some free time im going to put
> back up a base for 49.86 right now my day starts at
> 4 am ......
>
>
> ----- Original Message ----
> From: Rascal Coyote <rascalcoyote@ yahoo.ca>
> To: 49megahertz@ yahoogroups. com
> Sent: Thursday, February 21, 2008 5:37:15 PM
> Subject: [49MHz] Re: anyone home?
>
> Hello, I'm new to the group.
>
> --- In 49megahertz@ yahoogroups. com, bruce mallon
> <wa4gch@...> wrote:
> >
> > anyone ?
> >
> >
> > _____ _____ _____ _____
> _____ _____ _
> > Never miss a thing. Make Yahoo your home page.
> > http://www.yahoo. com/r/hs
> >
>
>
>
>

>
>
>

> Looking for last minute shopping deals?
> Find them fast with Yahoo! Search.
http://tools. search.yahoo. com/newsearch/ category. php?category= shopping

www.wa8ywo.com

Looking for last minute shopping deals?
Find them fast with Yahoo! Search. http://tools. search.yahoo. com/newsearch/ category. php?category= shopping

---

Never miss a thing. Make Yahoo your home page.
http://www.yahoo.com/r/hs

1096. re: anybody home?

Yahoo group: 49megahertz
Date: 2008-02-23 21:53:06 UTC
From: allan egleston
Topic: 1096 Message: 1096

This morning I took my base unit and hooked it up to my apple powerbook and ran a narrow band television program through it! Kallan tv on the air
73 de Allan kf6uxj

1097. Greetings

Yahoo group: 49megahertz
Date: 2008-02-25 03:05:45 UTC
From: John Buck
Topic: 1097 Message: 1097

New to the forum here but not to Part 15 operation...
I'm the author of the former 'Master List of Part 15
Stations'.
After a long hiatus from radio I'm back in action. My
interest has since shifted from broadcasting to
beaconing and I have a bevy of beacons in the works
from 'DC to Daylight'.
Figured it was time to delurk with the call for hands
to show that there is indeed interest and "signs of
life"... :)
Kudos, Allan, on the TV experiment... long time no
hear and glad to see you're still experimenting with
Part 15!
Relevant to this forum, I'm making a 49.860 MHz beacon
out of a toy HT, no mods except to add an outboard
keyer/modulator (MCW/keyed carrier with tone mod.) and
to re-package the circuit board in a wx-proof
enclosure with rechargeable batt. and solar panel (the
entire unit will be self-contained and
self-sufficient). Using original ant. (helical whip)
per Part 15 rules (must be permanently attached) and
to ensure it's still compliant. It's one of the
cellphone look-alikes from T*ys 'R' Us with advertised
"1000-ft. range" so should be in the ballpark of max.
legal pwr./field strength.
Will notify when it goes live.
73 de Jon W2MXW

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know-it-all with Yahoo! Mobile. Try it now.
http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ

1098. Buy FRS/GMRS Radios with Pepsi Points

Yahoo group: 49megahertz
Date: 2008-03-02 01:54:00 UTC
From: Wise Guy
Topic: 1098 Message: 1098

125 Pepsi Points

http://snipurl.com/pepsi4cobra

Cobra PR170-2VP MicroTalk GMRS/FRS 2-Way Radios, 8-Mile

Product Features

* UHF/FM band for ultra-clear reception with a range up to 8 miles
* 22 channels combined with 38 privacy codes provide 836 privacy channels
* Call alert notifies of incoming calls and roger-beep signals transmission completion
* Unique circuit switches to battery-saver mode after 10 seconds without a transmission
* Weigh 2.22 ounces, measure 2 x 5.02 x 1.54 inches (W x H x D), and backed by 1-year warranty

1099. 49mhz uk

Yahoo group: 49megahertz
Date: 2008-02-29 20:53:49 UTC
From: owl2157
Topic: 1099 Message: 1099

hi all,iam pretty new to this group,so thought i would tell you about the equipment that i have amast.I now have a total of 5 realistic trc 505 (49.830mhz fm) walkie talkies with built in squelch,these are the best quality 49mhz radios ive ever had.anyone agree or disagree with me? I also have a pair of minicom (49.860mhz am) radios but no squelch on these so not good for the ears,+ two pairs of still boxed realistic trc 506 (49.830mhz fm) head set radios.would you guys like to list equipment you have got and the quality of them.I look forward to replies.cheers the owl.

1100. Re:Greetings

Yahoo group: 49megahertz
Date: 2008-02-27 03:22:53 UTC
From: John Buck
Topic: 1097 Message: 1100

I should mention that "John Buck" is just the screen
name I used when I signed up for Yahoo... apologies
for any confusion.
73 de Jon W2MXW

Be a better friend, newshound, and
know-it-all with Yahoo! Mobile. Try it now.
http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ

1101. Ext. antennas.

Yahoo group: 49megahertz
Date: 2008-03-08 13:20:41 UTC
From: Rascal Coyote
Topic: 1101 Message: 1101

Hello, I'm planning on putting up an External antenna for one of my 49.860 Radios.
but I have a problem, I live on the ground floor, with a small patio, I'd like to mount some
sort of a whip or something.

1. what antenna type should i use?
2. can it be home made? what should I use?
and how to mount it on my patio.

any help would be appreciated.

Adam AKA Rascal

1102. 49 MHz HT schematic - roll your own

Yahoo group: 49megahertz
Date: 2008-03-10 01:52:50 UTC
From: porcelainhead
Topic: 1102 Message: 1102

Stumbled upon this while doing other research:
http://www.freeinfosociety.com/electronics/schemview.php?id=1870

Don't know if this link is already common knowledge or not, but
figured what the hey...
Enjoy!
73 de W2MXW

1103. Re:Ext. antennas.

Yahoo group: 49megahertz
Date: 2008-03-10 02:15:52 UTC
From: John Buck
Topic: 1101 Message: 1103

Adam, I just noticed after I made the post regarding external antennas that your yahoo addy indicates you hail from the North... so perhaps the Canadian rules are different... but I'm pretty sure that RSS-210 (Canadian RF devices rules) is identical to USA FCC Part 15 regarding 49 MHz and if so, what I said would still be valid. If in doubt, look it up at Industry Canada (sorry, I don't have a copy of RSS-210 to hand at the moment).
73 de W2MXW

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know-it-all with Yahoo! Mobile. Try it now.
http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ

1104. Re:Ext. antennas.

Yahoo group: 49megahertz
Date: 2008-03-10 02:09:18 UTC
From: John Buck
Topic: 1101 Message: 1104

If your radio is a commercially-made unit that is already certified by FCC, and you will be transmitting using the proposed antenna, then attaching any kind of external antenna other than one that is substantially identical to that provided with the radio may void the equipment authorization as it may put your field strength "over the top" (10,000 uV/m @ 3m max.) And it's very difficult for even an advanced experimenter to determine compliance since it requires a calibrated field strength meter and preferably a Faraday cage (shielded room).
Chances are, if it's a commercial unit, your radio is already designed to be close to the max. limit since due to the limited range that can be legally obtained, it makes good business sense to provide the best possible performance if you want to sell product for any reasonable length of time.
Also, the Part 15 rules state the the antenna has to be permanently attached or use a nonstandard type RF connector so tampering with same might also make the unit illegal to operate.
If you will only be receiving, or if none of the legal issues concern you, ;-) then you can use any kind of antenna you want: a whip, longwire, Yagi, dipole, cloverleaf, or any more exotic design that strikes your fancy (and fits where you want it to). Look for amateur (ham) radio antenna designs for the 6 meter (50 MHz) band, which is just "next door" and thus would work fine for 49 MHz.
72 de W2MXW

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http://tools.search.yahoo.com/newsearch/category.php?category=shopping

1105. look up for ht's

Yahoo group: 49megahertz
Date: 2008-03-10 10:00:08 UTC
From: bruce mallon
Topic: 1105 Message: 1105

See if you can find schmatics on this site if you have the FCC number

https://gullfoss2.fcc.gov/prod/oet/cf/eas/reports/GenericSearch.cfm?calledFromFrame=N OR

https://gullfoss2.fcc.gov/oetcf/eas/reports/GenericSearch.cfm

_____
Looking for last minute shopping deals?
Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping

1106. Re:Ext. antennas.

Yahoo group: 49megahertz
Date: 2008-03-10 12:56:35 UTC
From: Rascal Coyote
Topic: 1101 Message: 1106

Thank you

I checks RSS 210, The laws are the same as FCC.
There for I will not be doing this project after all.
How ever I have another question, the both the FCC and the RSS210 state that the antenna must be fixed, so would it be illegal to upgrade the fixed antenna, with a better fixed antenna as long as it doesn't exceed the max allowed out put?

Adam

--- In 49megahertz@yahoogroups.com, John Buck <porcelainhead@...> wrote:
>
> If your radio is a commercially-made unit that is
> already certified by FCC, and you will be transmitting
> using the proposed antenna, then attaching any kind of
> external antenna other than one that is substantially
> identical to that provided with the radio may void the
> equipment authorization as it may put your field
> strength "over the top" (10,000 uV/m @ 3m max.) And
> it's very difficult for even an advanced experimenter
> to determine compliance since it requires a calibrated
> field strength meter and preferably a Faraday cage
> (shielded room).
> Chances are, if it's a commercial unit, your radio is
> already designed to be close to the max. limit since
> due to the limited range that can be legally obtained,
> it makes good business sense to provide the best
> possible performance if you want to sell product for
> any reasonable length of time.
> Also, the Part 15 rules state the the antenna has to
> be permanently attached or use a nonstandard type RF
> connector so tampering with same might also make the
> unit illegal to operate.
> If you will only be receiving, or if none of the legal
> issues concern you, ;-) then you can use any kind of
> antenna you want: a whip, longwire, Yagi, dipole,
> cloverleaf, or any more exotic design that strikes
> your fancy (and fits where you want it to). Look for
> amateur (ham) radio antenna designs for the 6 meter
> (50 MHz) band, which is just "next door" and thus
> would work fine for 49 MHz.
> 72 de W2MXW
>
>
>

> Looking for last minute shopping deals?
> Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping
>

1107. Re: [49MHz] Re:Ext. antennas.

Yahoo group: 49megahertz
Date: 2008-03-10 18:46:42 UTC
From: bruce mallon
Topic: 1101 Message: 1107

Don't lose sleep unless you run 100 times the leagal power no one can even measure it go ahead and put a better antenna on and enjoy the results

----- Original Message ----
From: Rascal Coyote <rascalcoyote@...>
To: 49megahertz@yahoogroups.com
Sent: Monday, March 10, 2008 8:56:35 AM
Subject: [49MHz] Re:Ext. antennas.

Thank you

I checks RSS 210, The laws are the same as FCC.
There for I will not be doing this project after all.
How ever I have another question, the both the FCC and the RSS210 state that the antenna must be fixed, so would it be illegal to upgrade the fixed antenna, with a better fixed antenna as long as it doesn't exceed the max allowed out put?

Adam

--- In 49megahertz@ yahoogroups. com, John Buck <porcelainhead@ ...> wrote:
>
> If your radio is a commercially- made unit that is
> already certified by FCC, and you will be transmitting
> using the proposed antenna, then attaching any kind of
> external antenna other than one that is substantially
> identical to that provided with the radio may void the
> equipment authorization as it may put your field
> strength "over the top" (10,000 uV/m @ 3m max.) And
> it's very difficult for even an advanced experimenter
> to determine compliance since it requires a calibrated
> field strength meter and preferably a Faraday cage
> (shielded room).
> Chances are, if it's a commercial unit, your radio is
> already designed to be close to the max. limit since
> due to the limited range that can be legally obtained,
> it makes good business sense to provide the best
> possible performance if you want to sell product for
> any reasonable length of time.
> Also, the Part 15 rules state the the antenna has to
> be permanently attached or use a nonstandard type RF
> connector so tampering with same might also make the
> unit illegal to operate.
> If you will only be receiving, or if none of the legal
> issues concern you, ;-) then you can use any kind of
> antenna you want: a whip, longwire, Yagi, dipole,
> cloverleaf, or any more exotic design that strikes

> your fancy (and fits where you want it to). Look for
> amateur (ham) radio antenna designs for the 6 meter
> (50 MHz) band, which is just "next door" and thus
> would work fine for 49 MHz.
> 72 de W2MXW
>
>
>

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http://tools. search.yahoo. com/newsearch/ category. php?category= shopping
>

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know-it-all with Yahoo! Mobile. Try it now.
http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ

1108. simplex repeater

Yahoo group: 49megahertz
Date: 2008-03-17 16:45:00 UTC
From: michaeltylerwv
Topic: 1108 Message: 1108

Has anybody ever put a simplex repeater say on 49.860mhz fm on a high hill somewhere ??? could be interesting when the solarcycle peaks....:)

1109. Re: [49MHz] simplex repeater

Yahoo group: 49megahertz
Date: 2008-03-18 00:12:25 UTC
From: bruce mallon
Topic: 1108 Message: 1109

interesting idea ....

----- Original Message ----
From: michaeltylerwv <michaeltylerwv@...>
To: 49megahertz@yahoogroups.com
Sent: Monday, March 17, 2008 12:45:00 PM
Subject: [49MHz] simplex repeater

Has anybody ever put a simplex repeater say on 49.860mhz fm on a high
hill somewhere ??? could be interesting when the solarcycle peaks....:)

_____
Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

1110. 49.00 mhz is still being used.

Yahoo group: 49megahertz
Date: 2008-05-10 14:23:31 UTC
From: Ask your mom.
Topic: 1110 Message: 1110

Im a radio moniter and i mointer alot of the spectrum. I desided to moniter the 49mhz's and picked up what may have been a baby moniter an at the same time i heared a computer log on to the net, knowong that i was armed with a laptop n a wifi card i turned on my laptop and started to search for a wi fi contact and i got on, thanx to monitering the scanner.

1111. How to improve the 49 MHz project

Yahoo group: 49megahertz
Date: 2008-05-12 22:05:02 UTC
From: Adam E.
Topic: 1111 Message: 1111

Hello,

I would like to know how we can find ways to improve on the 49 MHz project. What do we need to do in order to accomplish our goals in this hobby project? What can we do to make this group bigger? Could propagation studies and radio astronomy be involved in this area of the electromagnetic spectrum if not used? Maybe our computers can analyze the 49 MHz spectrum just like SETI@Home. Just an idea.

Please let me and others know what we can do to get into this to make this a project for me and others to work on.

Adam E.

49N4AE

1112. Re: 49.00 mhz is still being used.

Yahoo group: 49megahertz
Date: 2008-05-13 00:33:09 UTC
From: Adam E.
Topic: 1110 Message: 1112

Hi,

Welcome to the club here, I have been monitoring the 49 MHz band since 1993 and most of the activity since then was toy walkie talkies used by kids and baby monitors. I have a hobbyist user of the walkie talkies since 1988 and ever since I used them I wanted to get in touch with others by using a scanner to monitor activity beyond my location. I am working on dipole antennas and wire antennas for 49 MHz. Not to be paranoid here, but most spies and people who don't want to be licensed use toy walkie talkies ever since then. You can find gear on ebay and thrift stores that cover the frequency 49.860 MHz.

Ok got to go glad to have you here. Have Fun!

Adam E.

--- In 49megahertz@yahoogroups.com, "Ask your mom." <hackersden2000@...> wrote:
>
> Im a radio moniter and i mointer alot of the spectrum. I desided to
> moniter the 49mhz's and picked up what may have been a baby moniter an
> at the same time i heared a computer log on to the net, knowong that i
> was armed with a laptop n a wifi card i turned on my laptop and started
> to search for a wi fi contact and i got on, thanx to monitering the
> scanner.
>

1113. Re: [49MHz] How to improve the 49 MHz project

Yahoo group: 49megahertz
Date: 2008-05-15 02:26:18 UTC
From: James Alexander
Topic: 1111 Message: 1113
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1114. Re: How to improve the 49 MHz project

Yahoo group: 49megahertz
Date: 2008-05-13 01:20:15 UTC
From: Rascal Coyote
Topic: 1111 Message: 1114

One of the things I would like to suggest is that some one check the 49 Mhz club web page.

the email contact provided on that page for both the membership forms and enquiries is no longer working, I am unable to send my application in. I tried sending it directly to the
owner of this mailing list, I have yet to receive a response.

TO whom this question concerns,
Is the 49 Mhz Club no longer active, or, are new applications no longer being accepted?

I love the idea of our home computers analysing the 49 MHz spectrum.

I would very much like to have a 40 MHz call sign.

Rascal. AKA Adam B.
--- In 49megahertz@yahoogroups.com, "Adam E." <gccengineering@...> wrote:
>
>
> Hello,
>
> I would like to know how we can find ways to improve on the 49 MHz
> project. What do we need to do in order to accomplish our goals in
> this hobby project? What can we do to make this group bigger? Could
> propagation studies and radio astronomy be involved in this area of
> the electromagnetic spectrum if not used? Maybe our computers can
> analyze the 49 MHz spectrum just like SETI@Home. Just an idea.
>
> Please let me and others know what we can do to get into this to make
> this a project for me and others to work on.
>
> Adam E.
>
> 49N4AE
>

1115. Re: [49MHz] Re: How to improve the 49 MHz project

Yahoo group: 49megahertz
Date: 2008-05-18 02:56:16 UTC
From: Facility 406 DM09
Topic: 1111 Message: 1115

The calls are easy enough to create. I put in my request around '98 or '99, no response, no certificate, but I was told how the calls are created.

My call is 49H7KR.

49 for 49 MHz, H for Ham, 7 for the seventh Amatuer Radio call district and my Initials, KR.

A non-Ham would have an N, different districts, different number, for example, 49N3AA

Kurt

1116. Re: [49MHz] Re: How to improve the 49 MHz project

Yahoo group: 49megahertz
Date: 2008-05-18 03:14:14 UTC
From: KB3HFP
Topic: 1111 Message: 1116

Yep, Kurt is dead on correct with the "callsign" formula.

To clear things up regarding the club and website, it hasn't been updated in years - at some point I became unable to log in to update it (probably my fault, wrote down the wrong password or somesuch.) I've been meaning to get in touch with qsl.net to get the information and make some updates, or at least make the contact form work, but just haven't had the time to get around to it. (Haven't had time for 49MHz, or ham radio in general, lately.)

Expect to see some changes in the next month or so, though - I'm working on automating the membership form so that it, uh, works, and can automatically generate a 49MHz hobbyist "callsign." BTW, if anyone is interested and able to volunteer to help out with keeping things up to date if necessary, please drop me an email off-list.

Thanks & 73,

Mike
KB3HFP

On May 17, 2008, at 10:56 PM, Facility 406 DM09 wrote:

> The calls are easy enough to create. I put in my request around
> '98 or '99,
> no response, no certificate, but I was told how the calls are created.
>
> My call is 49H7KR.
>
> 49 for 49 MHz, H for Ham, 7 for the seventh Amatuer Radio call
> district and
> my Initials, KR.
>
> A non-Ham would have an N, different districts, different number, for
> example, 49N3AA
>
> Kurt
>

1117. [49MHz] Re: How to improve the 49 MHz project

Yahoo group: 49megahertz
Date: 2008-05-19 11:25:14 UTC
From: Rascal Coyote
Topic: 1111 Message: 1117

I see, thank you.

Seems easy enough.

For starters mine will start out 49N ,
how ever I'm not sure about my district as I am in BC Canada, here we use district call signs such as VE7 for my area of Canada.

si i don't know what part of that i'd use. So far: 49N*AB.

Rascal aka Adam B.

--- In 49megahertz@yahoogroups.com, "Facility 406 DM09" <facility_406@...> wrote:
>
> The calls are easy enough to create. I put in my request around '98 or '99,
> no response, no certificate, but I was told how the calls are created.
>
> My call is 49H7KR.
>
> 49 for 49 MHz, H for Ham, 7 for the seventh Amatuer Radio call district and
> my Initials, KR.
>
> A non-Ham would have an N, different districts, different number, for
> example, 49N3AA
>
> Kurt
>

1118. Re: [49MHz] Re: How to improve the 49 MHz project

Yahoo group: 49megahertz
Date: 2008-05-19 18:18:56 UTC
From: Facility 406 DM09
Topic: 1111 Message: 1118

49N7AB.

Kurt

----- Original Message -----
From: "Rascal Coyote" <rascalcoyote@...>

si i don't know what part of that i'd use. So far: 49N*AB.

1119. Re: [49MHz] How to improve the 49 MHz project

Yahoo group: 49megahertz
Date: 2008-05-20 07:16:21 UTC
From: Rascal Coyote
Topic: 1111 Message: 1119

K really like the idea of long rang DXing.
I'd like to suggest DX events and maybe contests like they do in Short Wave.

The first step of course would be to find out when the propagation on 6 meters will be good and schedule events accordingly.

another thing i'm curios about is, will 49 MHz work in AM, USB, LSB, and CW modes? and if so, how well in Comparison to 11 meters?

--- In 49megahertz@yahoogroups.com, "James Alexander" <james.m.alexander@...> wrote:
>
> Thats an interesting idea. Another I'd had was computer to computer
> messages much like in some of the amateur bands, pactor amtor, rtty, packet
> modes and such. Might even get some longer range communications going in
> the periods when propogation on 6 meters is good.
>

1120. Re: How to improve the 49 MHz project

Yahoo group: 49megahertz
Date: 2008-05-20 06:55:59 UTC
From: Rascal Coyote
Topic: 1111 Message: 1120

Thank you :)

My New 40 MHz call sign is 49N7AB.

Adam

--- In 49megahertz@yahoogroups.com, "Facility 406 DM09" <facility_406@...> wrote:
>
> 49N7AB.
>
> Kurt
>
> ----- Original Message -----
> From: "Rascal Coyote" <rascalcoyote@...>
>
> si i don't know what part of that i'd use. So far: 49N*AB.
>

1121. 49 MHz IRC chat room?

Yahoo group: 49megahertz
Date: 2008-05-20 13:05:54 UTC
From: Rascal Coyote
Topic: 1121 Message: 1121

Would any one be interested in starting an IRC 49 MHz chat room?

Also I found this web site: http://www.globaltuners.com/

You can monitor all kinds of communications, including 49 MHz.
You can even monitor your own 49 MHz transmissions if you live around the tuner coverage areas.

1122. Re: [49MHz] How to improve the 49 MHz project

Yahoo group: 49megahertz
Date: 2008-05-20 14:31:06 UTC
From: michael tyler
Topic: 1111 Message: 1122

How about, setting up a TNC for packet on 49.860 or ?
. Have it beacon every 3 minutes or so....Place the
tnc and radio on a mountain top or high building.The
you could connect to the mail box and leave a message
when the band is open. or at the least, the beacon id
would show up on your node...then when you see that
your tnc heard a beacon we could post the results
here......just a thought....mike in WV
--- Rascal Coyote <rascalcoyote@...> wrote:

> K really like the idea of long rang DXing.
> I'd like to suggest DX events and maybe contests
> like they do in Short Wave.
>
> The first step of course would be to find out when
> the propagation on 6 meters will be good
> and schedule events accordingly.
>
> another thing i'm curios about is, will 49 MHz work
> in AM, USB, LSB, and CW modes? and if
> so, how well in Comparison to 11 meters?
>
> --- In 49megahertz@yahoogroups.com, "James
> Alexander" <james.m.alexander@...> wrote:
> >
> > Thats an interesting idea. Another I'd had was
> computer to computer
> > messages much like in some of the amateur bands,
> pactor amtor, rtty, packet
> > modes and such. Might even get some longer range
> communications going in
> > the periods when propogation on 6 meters is good.
> >
>
>
>
>
>

www.wa8ywo.com

1123. Re: [49MHz] 49 MHz IRC chat room?

Yahoo group: 49megahertz
Date: 2008-05-22 17:33:51 UTC
From: James Alexander
Topic: 1121 Message: 1123
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1124. TRC-512 Beacon!!!

Yahoo group: 49megahertz
Date: 2008-06-11 21:50:04 UTC
From: Brian R. Chapman
Topic: 1124 Message: 1124

I am in the process of building a 49 MHZ part 15 beacon. The radio will be the Radio Shack 5 channel unit. An ID-8 will be located in the compartment where the 9V battery goes and the unit will be powered via a lighter plug/socket with variable voltage selector at 9V DC. A Solar style battery will be used w/small solar panel to maintain charge. The unit will be located in Carlin,NV atop an 8100 FT mountain. I intend to use CH 3 49.860 with callsign 49H7BC !!! Brian nb9e/7 (formerly n9noc)

1125. Re: [49MHz] TRC-512 Beacon!!!

Yahoo group: 49megahertz
Date: 2008-06-13 02:08:57 UTC
From: michael tyler
Topic: 1124 Message: 1125

Hi Brian, way to go......i have one of those units
that i was working on to do the same thing...are you
setting the ider for on off carrier or tone
modulation?....thats where i am at now...thanks..mike
--- "Brian R. Chapman" <nb9e@...> wrote:

> I am in the process of building a 49 MHZ part
> 15 beacon. The
> radio will be the Radio Shack 5 channel unit. An
> ID-8 will be located
> in the compartment where the 9V battery goes and the
> unit will be
> powered via a lighter plug/socket with variable
> voltage selector at 9V
> DC. A Solar style battery will be used w/small solar
> panel to maintain
> charge. The unit will be located in Carlin,NV atop
> an 8100 FT mountain.
> I intend to use CH 3 49.860 with callsign 49H7BC !!!
> Brian nb9e/7
> (formerly n9noc)
>
>

www.wa8ywo.com

1126. Re: [49MHz] TRC-512 Beacon!!!

Yahoo group: 49megahertz
Date: 2008-06-13 15:17:33 UTC
From: Brian R. Chapman
Topic: 1124 Message: 1126

I will be setting the unit for tone (mcw) as this will keep the
rf carrier on while the message is transmitted. I hope someone will
hear it eventually!!! Brian nb9e/7

1127. Re: [49MHz] TRC-512 Beacon!!!

Yahoo group: 49megahertz
Date: 2008-06-14 06:38:05 UTC
From: Brian R. Chapman
Topic: 1124 Message: 1127

OK the beacon is working!!! I have chosen 49.830 mhz instead.
This may sound goofy but as you all know lowband harmonics can be a problem!!! I did the calculation 49.830 x 3 =149.490. It seemed appropriate!!! The unit transmits " DE 49H7BC/B every 1 minute. Deviation is 4.2 khz mcw. The ID-8 fits perfectly in the battery compartment. I made a small notch about three/eights of an inch from the right side towards the left to allow the 9v battery leads to protrude.Next I will Enclose the radio in some Lexan or Plexi-glass with the antenna protruding and water proof the antenna hole with silicone. I will use a 12V gel-cell with a step down to 9V via a ligter cord male/female to the battery and a small solar panel bought for leaving in your car wind shield to charge the battery(available from MCM).The battery will be in a weather proof box and the solar panel will be at an angle for good summer/winter sun atop an 8100 Ft mountain top where we have other ham gear, all run on solar as well!!!
"73" NB9E/7

1128. Re: [49MHz] TRC-512 Beacon!!!

Yahoo group: 49megahertz
Date: 2008-06-14 22:54:14 UTC
From: michael tyler
Topic: 1124 Message: 1128

Hi Brian, sounds great....any pics to post...mike

www.wa8ywo.com

--- On Sat, 6/14/08, Brian R. Chapman <nb9e@...> wrote:

From: Brian R. Chapman <nb9e@...>
Subject: Re: [49MHz] TRC-512 Beacon!!!
To: 49megahertz@yahoogroups.com
Date: Saturday, June 14, 2008, 2:38 AM

OK the beacon is working!!! I have chosen 49.830 mhz instead.
This may sound goofy but as you all know lowband harmonics can be a
problem!!! I did the calculation 49.830 x 3 =149.490. It seemed
appropriate! !! The unit transmits " DE 49H7BC/B every 1 minute.
Deviation is 4.2 khz mcw. The ID-8 fits perfectly in the battery
compartment. I made a small notch about three/eights of an inch from
the right side towards the left to allow the 9v battery leads to
protrude.Next I will Enclose the radio in some Lexan or Plexi-glass
with the antenna protruding and water proof the antenna hole with
silicone. I will use a 12V gel-cell with a step down to 9V via a
ligter cord male/female to the battery and a small solar panel bought
for leaving in your car wind shield to charge the battery(available
from MCM).The battery will be in a weather proof box and the solar
panel will be at an angle for good summer/winter sun atop an 8100 Ft
mountain top where we have other ham gear, all run on solar as well!!!
"73" NB9E/7

1129. Re: [49MHz] TRC-512 Beacon!!!

Yahoo group: 49megahertz
Date: 2008-06-17 06:43:27 UTC
From: Facility 406 DM09
Topic: 1124 Message: 1129

No doubt our biggest advancements will be made with CW rather than AM, FM or MCW. Perhaps a rig along the lines of the Ramsey QRP series or modified single channel radio remote controlled transmitters, coupled with long time integration modes such as QRSS or many of the modes used at LF. People have accomplished EME, a distance of over 500,000 miles with only 5W on VHF with the proper encoding scheme. Another plan would be to get away from the usual 49 MHz frequencies where our signals have about as much effect as a fart in a hurricane considering all the other wide-band signals of varying modes, some of the baby monitors I hear cover many, many square miles, far in excess of their 100' or so that they are designed. What about the other "bands", 43, 46, 47 MHz, do they fall under Part 15 as well?

Kurt

1130. Radio Shack Service Manuals

Yahoo group: 49megahertz
Date: 2008-06-22 23:00:55 UTC
From: Facility 406 DM09
Topic: 1130 Message: 1130

Is anybody still getting service manuals out of Radio Shack?

Any tricks? I used to go into the stores and order them.

Looking for manuals for TRC 509, 512, I think the older numbers were 503, 505, 507, et cetera, the Radio Shack single and multi-channel 49 MHz HTs. Also looking for manuals for their old 49 MHz wireless microphones.

Anyone have service manuals they'd part with?

Kurt

1131. Re: [49MHz] Radio Shack Service Manuals

Yahoo group: 49megahertz
Date: 2008-06-23 02:19:54 UTC
From: James Alexander
Topic: 1130 Message: 1131
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1132. Beacon Near Carlin.

Yahoo group: 49megahertz
Date: 2008-06-23 06:41:00 UTC
From: Facility 406 DM09
Topic: 1132 Message: 1132

An idea...

A modified single channel (tone, square wave) radio remote control transmitter with a new crystal from phone or baby monitor, possibly R/C device, lower in the 49 MHz band, farther away from FM congestion, band-pass filter, mounted at the feed-point of a 3 - 5 element Yagi, horizontal, pointed SW from a mountain top. Key it with a QRSS beacon chip such as one made by K1EL.

I have a portable 25' tower with 7 element LPDA from 30 - 80 MHz, exceptional gain around 49 MHz, can set it up on a local mountain with IC-706MKII in CW mode with computer running Argo and look for your signal. I'm near Silver Springs, NV, not too far away.

Kurt

1133. FOUND, RS Service Manual, TRC-512, 21-412

Yahoo group: 49megahertz
Date: 2008-06-27 01:35:24 UTC
From: Facility 406 DM09
Topic: 1133 Message: 1133

I was going through my stash and found a service manual for the 5 channel
Radio Shack walkie-talkie, TRC-512:

Service Manual
Voice Actuated
Audionic FM Transceiver
Catalog Number 21-412

Contents

Specifications
Block Diagrams
Alignment and Adjustment
Troubleshooting
Printed Circuit Boards
Wiring Diagram
Exploded View
Exploded View Parts List
Electrical Parts List
Semiconductor Lead Identification and IC Internal Connections
Voltage Charts
Schematic Diagrams

If needed, please contact me.

Kurt

1134. Available: Radio Shack Service Manual, 21-412\TRC-512 on CD

Yahoo group: 49megahertz
Date: 2008-07-08 22:08:31 UTC
From: Facility 406 DM09
Topic: 1134 Message: 1134

I have available for those needing it, the service manual for the Radio Shack 5 Channel 49 MHz walkie talkie, TRC-512, catalog number 21-412 on CD, all pages in 300dpi .JPG format.

Kurt

1136. Re: [49MHz] 49 MHz beacon on balloon

Yahoo group: 49megahertz
Date: 2008-07-13 04:23:29 UTC
From: Facility 406 DM09
Topic: 1135 Message: 1136

Keep us posted on your experiments.

I still suggest someone trying a 49 MHz remote control, single channel, the type that produce a tone or square wave as it is a much narrower signal and using QRSS and a program such as Argo may yield results of many, many hundreds of miles reception.

Kurt

1137. t.v

Yahoo group: 49megahertz
Date: 2008-07-14 01:33:04 UTC
From: allan egleston
Topic: 1137 Message: 1137

Hi. I have been playing with some Slow scan and narrow band television programs on my mac ,and using my 49 mc baby monitor on the frequency of 49.86 m.c Fun. 73 Allan Egleston kf6ux

1139. Re: [49MHz] t.v

Yahoo group: 49megahertz
Date: 2008-07-14 03:30:37 UTC
From: Facility 406 DM09
Topic: 1137 Message: 1139

Interesting... I was very heavy into SSTV ten years ago, never thought of trying it on 49 MHz. With an audio recorder, one could make an SSTV beacon!

Kurt

----- Original Message -----
From: "John Mayson" <john@...>
To: <49megahertz@yahoogroups.com>
Sent: Sunday, July 13, 2008 19:01
Subject: Re: [49MHz] t.v

: On Sun, Jul 13, 2008 at 8:33 PM, allan egleston <allanegleston@...>
wrote:
: > Hi. I have been playing with some Slow scan and narrow band television
: > programs on my mac ,and using my 49 mc baby monitor on the frequency
: > of 49.86 m.c Fun. 73 Allan Egleston kf6ux
:
: Which programs are you using? I too am on a Mac.
:
: --
: John Mayson <john@...>
: Austin, Texas, USA
:

1140. Re: [49MHz] t.v

Yahoo group: 49megahertz
Date: 2008-07-14 03:34:20 UTC
From: KB3HFP
Topic: 1137 Message: 1140

Is SSTV on 49MHz possible with the bandwidth required for video?
(Sorry for the stupid question, never played with SSTV before.) Would
be pretty awesome to put together a SSTV station for 49MHz...

Mike

On Jul 13, 2008, at 11:30 PM, Facility 406 DM09 wrote:

> Interesting... I was very heavy into SSTV ten years ago, never
> thought of
> trying it on 49 MHz. With an audio recorder, one could make an
> SSTV beacon!
>
> Kurt
>
> ----- Original Message -----
> From: "John Mayson" <john@...>
> To: <49megahertz@yahoogroups.com>
> Sent: Sunday, July 13, 2008 19:01
> Subject: Re: [49MHz] t.v
>
>
> : On Sun, Jul 13, 2008 at 8:33 PM, allan egleston
> <allanegleston@...>
> wrote:
> : > Hi. I have been playing with some Slow scan and narrow band
> television
> : > programs on my mac ,and using my 49 mc baby monitor on the
> frequency
> : > of 49.86 m.c Fun. 73 Allan Egleston kf6ux
> :
> : Which programs are you using? I too am on a Mac.
> :
> : --
> : John Mayson <john@...>
> : Austin, Texas, USA
> :
>

1141. Re: [49MHz] t.v

Yahoo group: 49megahertz
Date: 2008-07-14 06:34:20 UTC
From: Facility 406 DM09
Topic: 1137 Message: 1141

SSTV can be varied in bandwidth to just a few Hz wide or a few KHz, depends on format, colors used and drum speed. The average 49 MHz HT or baby monitor is capable of about twice the needed bandwidth of a good high resolution color SSTV image. Of course, drums are rarely used nowadays, it is done with souncards or external devices such as the Tigertronics BP-2m. Several years ago I had a fast scan TV computer program that was low bandwidth, intended for use on HF, about 20 frames per second I think, design to be plugged into the mic jack of any Amatuer radio. This program would also work on 49 MHz. SSTV is a single frame sent like a fax, depending on mode, can take between 8 seconds and several minutes. Fast Scan TV is live action, like regular television, but the size of the image and frame rate can be slowed ot the point it can be sent over the average radio.

Kurt

----- Original Message -----
From: "KB3HFP" <kb3hfp@...>

: Is SSTV on 49MHz possible with the bandwidth required for video?
: (Sorry for the stupid question, never played with SSTV before.) Would
: be pretty awesome to put together a SSTV station for 49MHz...

1142. Re: [49MHz] t.v

Yahoo group: 49megahertz
Date: 2008-07-14 08:49:58 UTC
From: allan egleston
Topic: 1137 Message: 1142

John Mayson <john@...> wrote: On Sun, Jul 13, 2008 at 8:33 PM, allan egleston
<allanegleston@...> wrote:
> Hi. I have been playing with some Slow scan and narrow band television
> programs on my mac ,and using my 49 mc baby monitor on the frequency
> of 49.86 m.c Fun. 73 Allan Egleston kf6ux

Which programs are you using? I too am on a Mac.
==========

Hi/ the programs am using are 1: macrobot sstv 2: nbtv communicator 3: nbtv source. I have the baby .mmonitor hooked up via my earphone out. hope this helps 73 De Allan Egleston kf7ucj Sonora ca
--
John Mayson <john@...>
Austin, Texas, USA

1143. Baby Monitors Activity on 49 MHz is Declining Slowly

Yahoo group: 49megahertz
Date: 2008-07-15 20:18:06 UTC
From: Adam E.
Topic: 1143 Message: 1143

I was at the Big Lots and I have seen that the newest baby monitors are moving up to 900 MHz and 2.4 GHz. Its about time for them to fade away from the 49 MHz spectrum. Next they'll probably come out with digital 2.4 GHz walkie talkies for the kids. The baby monitors of today are more secure with digital encryption and video capabilities. If this keeps up the bands will be open in no time flat. FRS radio here not popular as I see here in Virginia Beach.

49 MHz band openings will be available soon. I see that someone is experimenting with Slow Scan television on 49 MHz. Too bad I cannot receive it.

1144. Re: [49MHz] Baby Monitors Activity on 49 MHz is Declining Slowly

Yahoo group: 49megahertz
Date: 2008-07-15 20:59:00 UTC
From: allan egleston
Topic: 1143 Message: 1144

"Adam E." <gccengineering@...> wrote:
I was at the Big Lots and I have seen that the newest baby monitors are moving up to 900 MHz and 2.4 GHz. Its about time for them to fade away from the 49 MHz spectrum. Next they'll probably come out with digital 2.4 GHz walkie talkies for the kids. The baby monitors of today are more secure with digital encryption and video capabilities. If this keeps up the bands will be open in no time flat. FRS radio here not popular as I see here in Virginia Beach.

49 MHz band openings will be available soon. I see that someone is experimenting with Slow Scan television on 49 MHz. Too bad I cannot receive it.
==========
Howdy. I am the one playing with sstv. Im thinking of setting up a sstv beacon on 49 mc. I d also like t o set the beacon on 900 mc and 5.2 ghz. Nows the time to snatch up those baby monitors on 49.mc for people who arnt buiders!

1145. Re: [49MHz] Baby Monitors Activity on 49 MHz is Declining Slowly

Yahoo group: 49megahertz
Date: 2008-07-16 03:09:06 UTC
From: Facility 406 DM09
Topic: 1143 Message: 1145

New or old stock? 900 MHz has been in use for baby monitors for about 15 years. I haven't heard of 2.4 being used yet, but the band is so insanely congested, video and telephone links have problems in the city. 2.4 GHz is like CB was in the 70's. I shut off my video links about 5 years ago because of this. 900 MHz, 2.4 GHz and 5.8 GHz portable phones have been showing up in trash cans and thrift shops for $2 - $3, I've been collecting them in the hopes of pulling the RF modules out of them for experiments.

Kurt

----- Original Message -----
From: "Adam E." <gccengineering@...>

I was at the Big Lots and I have seen that the newest baby monitors are moving up to 900 MHz and 2.4 GHz.

1146. Re: Baby Monitors Activity on 49 MHz is Declining Slowly

Yahoo group: 49megahertz
Date: 2008-07-16 22:44:24 UTC
From: KC4QLP@aol.com
Topic: 1143 Message: 1146

49 MHz band openings will be available soon. I see that someone is
experimenting with Slow Scan television on 49 MHz. Too bad I cannot
receive it.
==========
Howdy. I am the one playing with sstv. Im thinking of setting up a sstv
beacon on 49 mc. I d also like t o set the beacon on 900 mc and 5.2 ghz. Nows the
time to snatch up those baby monitors on 49.mc for people who arnt buiders!

Where is this sstv experiment? Frequency and location? Think if everyone was
able to get a surpressed carrier transmitter and sideband receiver for 49mhz,
the long distance contacts are a possibility. FM with its wide bandwidth
nature will get lost in the noise to quickly.

Using MMSSTV ver 1.11G here for sstv...20 meters [14.230mhz] is jumping today
with SSTV stuff.

Bob Carter - KC4QLP

Mid-Atlantic-Engineering-Service of Utica NY

http://midatlanticengineeringservice.cjb.net/
WKVU-FM 100.7 Utica/Rome NY, WKVJ-FM 89.7 Dannemora/Plattsburgh NY, WKYJ-FM
88.7 Rouses Point NY,WRCK 107.3 Utica NY, WVVC-LPTV-40 Utica NY, WKTV-DT 2
Utica NY

****
Get the scoop on last night's hottest shows and the live music
scene in your area - Check out TourTracker.com!

(http://www.tourtracker.com?NCID=aolmus00050000000112)

1147. Re: [49MHz] Re: Baby Monitors Activity on 49 MHz is Declining Slowly

Yahoo group: 49megahertz
Date: 2008-07-16 23:14:27 UTC
From: Facility 406 DM09
Topic: 1143 Message: 1147

If we had a 49 MHz crystal controlled transmitter, CW only, add a varactor to the oscillator, then diddle it, we could have a transmission no wider than the modulating information itself. It works great for PSK on HF. FM shouldn't even be remotely considered for any experimentation other than music or voice broadcasts for a few hundred feet.

Anyone playing with Radio Shack TRC-512's?

Kurt

----- Original Message -----
From: <KC4QLP@...>

Where is this sstv experiment? Frequency and location? Think if everyone was
able to get a surpressed carrier transmitter and sideband receiver for 49mhz,
the long distance contacts are a possibility. FM with its wide bandwidth nature will get lost in the noise to quickly.

1148. Re: [49MHz] Re: Baby Monitors Activity on 49 MHz is Declining Slowly

Yahoo group: 49megahertz
Date: 2008-07-17 06:58:45 UTC
From: allan egleston
Topic: 1143 Message: 1148

KC4QLP@... wrote:

49 MHz band openings will be available soon. I see that someone is
experimenting with Slow Scan television on 49 MHz. Too bad I cannot
receive it.
==========
Howdy. I am the one playing with sstv. Im thinking of setting up a sstv beacon on 49 mc. I d also like t o set the beacon on 900 mc and 5.2 ghz. Nows the time to snatch up those baby monitors on 49.mc for people who arnt buiders!

Where is this sstv experiment? Frequency and location? Think if everyone was able to get a surpressed carrier transmitter and sideband receiver for 49mhz, the long distance contacts are a possibility. FM with its wide bandwidth nature will get lost in the noise to quickly.

Using MMSSTV ver 1.11G here for sstv...20 meters [14.230mhz] is jumping today with SSTV stuff.

Bob Carter - KC4QLP

Mid-Atlantic-Engineering-Service of Utica NY
==========
HI Bob , this is Allan ,kf6uxj. Sonora Ca. 49.86 m.c

http://midatlanticengineeringservice.cjb.net/
WKVU-FM 100.7 Utica/Rome NY, WKVJ-FM 89.7 Dannemora/Plattsburgh NY, WKYJ-FM 88.7 Rouses Point NY,WRCK 107.3 Utica NY, WVVC-LPTV-40 Utica NY, WKTV-DT 2 Utica NY

****
Get the scoop on last night's hottest shows and the live music scene in your area - Check out TourTracker.com!
(http://www.tourtracker.com?NCID=aolmus00050000000112)

1150. Re: [49MHz] 49 MHz beacon on balloon

Yahoo group: 49megahertz
Date: 2008-07-20 18:26:33 UTC
From: Facility 406 DM09
Topic: 1135 Message: 1150

Do you have a sevice manual for the TRC-509?

Kurt

----- Original Message -----
From: "w0jrt" <w0jrt@...>

This beacon will be based on a Radio Shack TRC-509. I have a
PIC12C509 microcontroller programmed to transmit an ID alternating
between using the "call" button on the radio and the PTT.

1151. tv

Yahoo group: 49megahertz
Date: 2008-07-20 21:32:58 UTC
From: allan egleston
Topic: 1151 Message: 1151

Hello. Am looking for a simple ntsc part 15 compliant tv broadcast
circut for 49 m.c Does anyone in the group know of such a circut.
thanks in advance , Allan Egleston Sonora,ca

1152. Re: [49MHz] tv

Yahoo group: 49megahertz
Date: 2008-07-21 03:44:05 UTC
From: Facility 406 DM09
Topic: 1151 Message: 1152

You could try to retune one of the channel 3/4 video modulators. Most video cameras and VCRs have them, there is also the RF modulators available for a good thirty years. It is far easier to recrystal or mess with the PLL of something to get down there than start something from scratch.

Kurt

Hello. Am looking for a simple ntsc part 15 compliant tv broadcast circut for 49 m.c Does anyone in the group know of such a circut. thanks in advance , Allan Egleston Sonora,ca

1154. Re: tv

Yahoo group: 49megahertz
Date: 2008-07-21 21:34:46 UTC
From: Dave
Topic: 1151 Message: 1154

--- In 49megahertz@yahoogroups.com, "allan egleston"
<allanegleston@...> wrote:
>
> Hello. Am looking for a simple ntsc part 15 compliant tv broadcast
> circut for 49 m.c Does anyone in the group know of such a circut.
> thanks in advance , Allan Egleston Sonora,ca

If you're referring to conventional, fast-scan television, it
can't be done. Fast scan, NTSC compliant television signals
have a bandwidth of approximately 6 MHz (Don't forget that they're
vestigial sideband modulated.). The 49 MHz Part 15 band only runs
between 49.82 and 49.90 MHz, which is a bandwidth of 80 KHz. 80 KHz
is MUCH less than 6 MHz, so there's no way to fit a fast scan
television signal into the 49 MHz Part 15 band.

See 47 CFR 15.235 for details on the bandwidth:

http://edocket.access.gpo.gov/cfr_2007/octqtr/47cfr15.235.htm

Now, it is possible to run slow scan television in the 49 MHz
Part 15 band, but we're talking about many seconds/minutes per
frame, not 30 frames/second. It may also be possible to run
fast scan television in some of the higher frequency Part 15 bands.

Dave

1155. Re: [49MHz] tv

Yahoo group: 49megahertz
Date: 2008-07-21 21:45:13 UTC
From: Dave
Topic: 1151 Message: 1155

--- In 49megahertz@yahoogroups.com, "Facility 406 DM09"
<facility_406@...> wrote:
>
> You could try to retune one of the channel 3/4 video modulators.

No, don't do it. Even if you got the carrier in the 49 MHz
Part 15 band, the sidebands would extend WELL outside of the
Part 15 band, and some of the adjacent band users get quite upset
with signals spilling into their bands.

> Most video
> cameras and VCRs have them, there is also the RF modulators
available for a
> good thirty years. It is far easier to recrystal or mess with the
PLL of
> something to get down there than start something from scratch.

But, you can't fit the bandwidth into the band.

> Kurt

Dave

1156. Re: [49MHz] tv

Yahoo group: 49megahertz
Date: 2008-07-21 22:06:10 UTC
From: Facility 406 DM09
Topic: 1151 Message: 1156

If anybody wants to do it over COAX, just to see if it can be done, have at it!

Kurt

----- Original Message -----
From: "Dave" <wa4qal@...>

No, don't do it. Even if you got the carrier in the 49 MHz
Part 15 band, the sidebands would extend WELL outside of the
Part 15 band, and some of the adjacent band users get quite upset
with signals spilling into their bands.

1159. Re: [49MHz] 49 MHz beacon on balloon

Yahoo group: 49megahertz
Date: 2008-08-04 03:03:57 UTC
From: Facility 406 DM09
Topic: 1135 Message: 1159

So how far could you hear the 49 MHz beacon?

Kurt

----- Original Message -----
From: "w0jrt" <w0jrt@...>

only got to just under 40,000 feet. There were a total of five

1161. Re: [49MHz] 49 MHz beacon on balloon

Yahoo group: 49megahertz
Date: 2008-12-30 06:02:09 UTC
From: Facility 406 DM09
Topic: 1135 Message: 1161

Did the hobby die?

Kurt

1162. Re: [49MHz] 49 MHz beacon on balloon

Yahoo group: 49megahertz
Date: 2008-12-31 04:28:34 UTC
From: bruce mallon
Topic: 1135 Message: 1162

I'm still here

--- On Tue, 12/30/08, Facility 406 DM09 <facility_406@earthlink.net> wrote:

From: Facility 406 DM09 <facility_406@...>
Subject: Re: [49MHz] 49 MHz beacon on balloon
To: 49megahertz@yahoogroups.com
Date: Tuesday, December 30, 2008, 1:02 AM

Did the hobby die?

Kurt

1163. Re: [49MHz] 49 MHz beacon

Yahoo group: 49megahertz
Date: 2008-12-31 04:49:22 UTC
From: Facility 406 DM09
Topic: 1163 Message: 1163

I'm still running a bunch of ideas through my head.

I managed to obtain service manuals for Radio Shack 49 MHz walkie talkies, TRC-501, 503, 505, 509 and 512.

I have an idea of building a CW or FSK beacon, using a long-time-integration mode such as QRSS3 or slower an putting it on a hill about five miles from here and using Argo to detect the signal. I have a Military log periodic dipole array, 30 - 76 MHz, but it's only rated at 4.1 dBi gain on 49 MHz, I can build a Yagi and get about 10dBi gain out of it.

So many projects, so little time...

Kurt

1164. Re: [49MHz] 49 MHz beacon on balloon

Yahoo group: 49megahertz
Date: 2008-12-31 16:12:40 UTC
From: michael tyler
Topic: 1135 Message: 1164

i am still here......i also have a bunch of ideas...just finding the time....maybe when the sun spots pick back up i will be motivated to do something.....mike in WV

www.wa8ywo.com

--- On Tue, 12/30/08, bruce mallon <wa4gch@...> wrote:

From: bruce mallon <wa4gch@...>
Subject: Re: [49MHz] 49 MHz beacon on balloon
To: 49megahertz@yahoogroups.com
Date: Tuesday, December 30, 2008, 11:28 PM

I'm still here

--- On Tue, 12/30/08, Facility 406 DM09 <facility_406@ earthlink. net> wrote:

From: Facility 406 DM09 <facility_406@ earthlink. net>
Subject: Re: [49MHz] 49 MHz beacon on balloon
To: 49megahertz@ yahoogroups. com
Date: Tuesday, December 30, 2008, 1:02 AM

Did the hobby die?

Kurt

1166. Re: [49MHz] New Member

Yahoo group: 49megahertz
Date: 2009-02-06 11:26:52 UTC
From: bruce mallon
Topic: 56 Message: 1166

Welcome to the group

Hi everyone! I stumbled across this group while doing a google search in preparation for experimenting with those old Radio Shack 49 Mhz walkie talkies. I was pleasantly surprised to find out that the path has already been trod, so when I get them out tomorrow I'll be standing on the shoulders of giants.

73 de KI4UPT, Robbie

1167. Re: [49MHz] radio shack 21-402

Yahoo group: 49megahertz
Date: 2009-02-22 01:51:53 UTC
From: Facility 406 DM09
Topic: 1052 Message: 1167

: I have the service manual for that rig if you need it.
:
: Kurt
:
: ----- Original Message -----
: From: "jay2at434va" <jay@...>
: To: <49megahertz@yahoogroups.com>
: Sent: Sunday, December 24, 2006 19:44
: Subject: [49MHz] radio shack 21-402
:
:
: Guys I have a radio shack 5 channel FM handheld that I've had around
: for several years. Just broke it out of the closet, and would like to
: try to bring it up on 6 meters.
:
: The xtal in this thing is 10.240. Does anyone know what I would need
: to do to bring it up to the low end of 6 meters? Thanks in advance.
:
: Jay
:
:
:
:

1168. hi im new to group

Yahoo group: 49megahertz
Date: 2009-03-20 02:50:49 UTC
From: hdtrike221
Topic: 1168 Message: 1168

i have a 49 mhz remote control jeep from new brite.
my son lost the remote too it and they dont sell parts.
i have a 27 mhz remote and a 75 mhz remote.
can i change the crystals in one to 49mhz.
or any ideas would help;
thank you

1169. Re: [49MHz] hi im new to group

Yahoo group: 49megahertz
Date: 2009-03-21 06:46:18 UTC
From: kevin asato
Topic: 1168 Message: 1169

You would probably have to adjust the coils that are present, too, as they are frequency dependent. Couldn't tell you which ones as I don't have a schematic. It may be worth just to recrystal the transmitter anyways to see how well it works without retuning.

73,
kevin
kc6pob

--- On Thu, 3/19/09, hdtrike221 <hdtrike221@...> wrote:
From: hdtrike221 <hdtrike221@yahoo.com>
Subject: [49MHz] hi im new to group
To: 49megahertz@yahoogroups.com
Date: Thursday, March 19, 2009, 7:50 PM

i have a 49 mhz remote control jeep from new brite.

my son lost the remote too it and they dont sell parts.

i have a 27 mhz remote and a 75 mhz remote.

can i change the crystals in one to 49mhz.

or any ideas would help;

thank you

1170. Re: [49MHz] hi im new to group

Yahoo group: 49megahertz
Date: 2009-03-22 02:46:24 UTC
From: Facility_406
Topic: 1168 Message: 1170

You can change the crystal to anything you want.

Unless the encoding and modulation is precisely the same, you will need the original remote that came with your jeep.

Kurt

-----Original Message-----
From: hdtrike221
Sent: Mar 19, 2009 6:50 PM
To: 49megahertz@yahoogroups.com
Subject: [49MHz] hi im new to group

i have a 49 mhz remote control jeep from new brite.
my son lost the remote too it and they dont sell parts.
i have a 27 mhz remote and a 75 mhz remote.
can i change the crystals in one to 49mhz.
or any ideas would help;
thank you

1171. FS: Maxon PC-50

Yahoo group: 49megahertz
Date: 2009-04-01 02:58:10 UTC
From: cheryl.mangiafico@openbrick.kicks-ass.net
Topic: 1171 Message: 1171

I'm selling my set of Maxon PC-50 walkie talkies. How about for $25 ?

1172. The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-14 15:23:17 UTC
From: Adam E.
Topic: 1172 Message: 1172

When did 49 MHz transmission and reception start? When did the FCC implement this. I see that we need to keep this hobby alive with new digital AM transmission toys and accessories and digital 2 way communications would be the way to go. The voice for digital to 49 MHz would sound better than the AM quality voice that has been is session for years.

I know that most radios don't have a digital mode, some have decoders for digital transmission and reception. HDTV is taking over NTSC television and HD Radio is trying to take over FM and AM broadcasting. When is the engineers going to come out with a new form of digital voice technology like the ACPO 25 walkie talkies that police are using? Also when is the owner going to add a new picture up here for his group? I bet the kids will like their new walkie talkies if they sounded better and more fun to play with. Also with digital there is chance for more privacy than analog AM transmission.

I just wanted to bring this up to the hobbyists and Hams.

gccengineering Adam E.

1173. Re: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-14 15:55:35 UTC
From: bruce mallon
Topic: 1172 Message: 1173

Interesting ......

Now how do you do that and how do you stay within part 15 ?

--- On Tue, 4/14/09, Adam E. <gccengineering@...> wrote:

From: Adam E. <gccengineering@...>
Subject: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.
To: 49megahertz@yahoogroups.com
Date: Tuesday, April 14, 2009, 11:23 AM

When did 49 MHz transmission and reception start? When did the FCC implement this. I see that we need to keep this hobby alive with new digital AM transmission toys and accessories and digital 2 way communications would be the way to go. The voice for digital to 49 MHz would sound better than the AM quality voice that has been is session for years.

I know that most radios don't have a digital mode, some have decoders for digital transmission and reception. HDTV is taking over NTSC television and HD Radio is trying to take over FM and AM broadcasting. When is the engineers going to come out with a new form of digital voice technology like the ACPO 25 walkie talkies that police are using? Also when is the owner going to add a new picture up here for his group? I bet the kids will like their new walkie talkies if they sounded better and more fun to play with. Also with digital there is chance for more privacy than analog AM transmission.

I just wanted to bring this up to the hobbyists and Hams.

gccengineering Adam E.

1174. Re: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-15 00:28:44 UTC
From: Facility 406 DM09
Topic: 1172 Message: 1174

Don't know the exact year, mid-70's, I think.

49 MHz equipment is AM, FM, FSK, PWM and so forth, there are radio modems, remote control, voice, telemetry, you name it.

Would have to check the rules for video, but since there are few if any modulation format limitations, I suspect SSTV and the lower frame-rate FSTV video modes as used on other Part 15 services could be used since the bandwidth is only a couple KHz wide.

Kurt

1175. Re: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-15 17:32:23 UTC
From: Facility 406 DM09
Topic: 1172 Message: 1175

I forgot to mention that both digital an analog encryption has been used on Part 15 49 MHz voice devices for about twenty years too, check out many of the old phones and intercoms.

Kurt

1176. Re: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-19 03:29:20 UTC
From: Adam E.
Topic: 1172 Message: 1176

Well, I see that many hams tried to go digital with their home made transceivers, as long as you do not over modulate the signal you should be fine. Digital is a form of 0's and 1's that are pulses. The FCC should give people the right to build new devices as long they operate within the part 15 rules. Part 15 is considered to be
experimental, flea powered. One day AM hobby broadcasting will have their own type of format instead of begging the the propertary format from Biequity, which Clear Channel uses for digital broadcasting. Someone will read up on it and come out with a special digital format
mode. Maybe I could do it if i had the money. Actually Digital Radio Mondiale would be a beginning start in 49 MHz radio broadcasting.

Here is a demo version of digital radio monodiale on a cassette or
radio. The audio quality is going to be like this if you are going to use 5 kHz of a channel. That's how best its going to get for 49 MHz and narrow bandwidth AM transmissions.

http://www.youtube.com/watch?v=2mseiBwPKvk

--- In 49megahertz@yahoogroups.com, bruce mallon <wa4gch@...> wrote:
>
> Interesting ......
>
> Now how do you do that and how do you stay within part 15 ?
>
>
> --- On Tue, 4/14/09, Adam E. <gccengineering@...> wrote:
>
>
> From: Adam E. <gccengineering@...>
> Subject: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.
> To: 49megahertz@yahoogroups.com
> Date: Tuesday, April 14, 2009, 11:23 AM
>
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>
> When did 49 MHz transmission and reception start? When did the FCC implement this. I see that we need to keep this hobby alive with new digital AM transmission toys and accessories and digital 2 way communications would be the way to go. The voice for digital to
> 49 MHz would sound better than the AM quality voice that has been is session for years.
>
> I know that most radios don't have a digital mode, some have decoders for digital

transmission and reception. HDTV is taking over NTSC television and HD Radio is trying to take over FM and AM broadcasting. When is the engineers going to come out with a new form of digital voice technology like the ACPO 25 walkie talkies that police are using? Also when is the owner going to add a new picture up here for his group? I bet the kids will like their new walkie talkies if they sounded better and more fun to play with. Also with digital there is chance for more privacy than analog AM transmission.
>
> I just wanted to bring this up to the hobbyists and Hams.
>
> gccengineering Adam E.
>

1177. Re: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-19 04:15:41 UTC
From: Facility 406 DM09
Topic: 1172 Message: 1177

Bypass the input filter and go straight to the modulator, you should be able to get 50 - 100 KHz bandwidth.

Kurt

----- Original Message -----
From: "Adam E." <gccengineering@...>

radio. The audio quality is going to be like this if you are going to use 5 kHz of a channel. That's how best its going to get for 49 MHz and narrow bandwidth AM transmissions.

1178. Re: The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-20 14:45:29 UTC
From: Dave
Topic: 1172 Message: 1178

--- In 49megahertz@yahoogroups.com, "Adam E." <gccengineering@...> wrote:
>
>
> When did 49 MHz transmission and reception start? When did the FCC implement this. I see that we need to keep this hobby alive with new digital AM transmission toys and accessories and digital 2 way communications would be the way to go. The voice for digital to
> 49 MHz would sound better than the AM quality voice that has been is session for years.

The problem, though, is that digital transmission media require a much better signal to noise ratio than an analog signal. A bit of noise in an analog channel can be filtered out by the operator. But, a bit of noise in a digital channel causes the system to lose sync, resulting in either no output, or garbled output.

Signal to noise ratio is basically dependent upon the signal strength, which is limited by the Part 15 rules, there's not much that can be done to improve this. Signal to noise ratio is also dependent upon the bandwidth, but digital usually loses here, too, since it usually takes a wider bandwidth to send audio data than an analog voice signal (Yes, there can be some compression used, which helps a bit, but there is usually control information, which negates that savings.).

Thus, while a digital Part 15 device can (and do) work, the range is usually inferior to analog systems.

> I know that most radios don't have a digital mode, some have decoders for digital transmission and reception. HDTV is taking over NTSC television and HD Radio is trying to take over FM and AM broadcasting. When is the engineers going to come out with a new form of digital voice technology like the ACPO 25 walkie talkies that police are using? Also when is the owner going to add a new picture up here for his group? I bet the kids will like their new walkie talkies if they sounded better and more fun to play with. Also with digital there is chance for more privacy than analog AM transmission.

Be ware of tossing out the digital TV analogy, since many people are finding that digital TV is vastly inferior to analog TV. Digital TV is fine for people on cable, or in the local broadcast area. But, for anyone in the fringe area, the usual result is that they lose several of the channels that they are used to seeing in analog. Plus, even for those stations that they can still receive, any noise tends to cause audio drop-outs and pixelation of the display, which is much more annoying that just a spec of black in the image [1].

[1] The designers of the analog TV system really knew what they were doing in using negative modulation for the video signal.

That means that a noise spike results in a black pixel, rather than the white pixel which would have resulted if a positive modulation format were to have been used.

> I just wanted to bring this up to the hobbyists and Hams.

There are quite a few digital modes being used by hobbyists and hams. AX.25 is the first one that comes to mind, but there is also PSK-31, RTTY, and even CW (The reason that CW often punches through when voice doesn't, despite being a digital mode, is that the data-rate/bandwidth is significantly smaller than for voice modes.).

> gccengineering Adam E.

Dave
WA4QAL

1179. Re: [49MHz] Re: The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-20 14:58:17 UTC
From: bruce mallon
Topic: 1172 Message: 1179

49 mhz has been around for at least 40 years .....
To be leagal you would have to design a system that put out under 10,000 uv per meter at 3 meters and i dont see how you could measure digital based on this very old part 15 requirement. ALSO how would you keep everything within the 15 khz ch spacing????

> When did 49 MHz transmission and reception start? When did the FCC implement this. I see that we need to keep this hobby alive with new digital AM transmission toys and accessories and digital 2 way communications would be the way to go. The voice for digital to
> 49 MHz would sound better than the AM quality voice that has been is session for years.

1180. Re: [49MHz] Re: The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-20 23:29:12 UTC
From: Facility 406 DM09
Topic: 1172 Message: 1180

ALSO how would you keep everything within the 15 khz ch spacing????

Narrow digital.

Kurt

1182. Re: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-21 04:20:54 UTC
From: bruce mallon
Topic: 1172 Message: 1182

This is fine but how do you comply with part 15 ?

--- On Wed, 4/15/09, Facility 406 DM09 <facility_406@...> wrote:

From: Facility 406 DM09 <facility_406@...>
Subject: Re: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.
To: 49megahertz@yahoogroups.com
Date: Wednesday, April 15, 2009, 1:32 PM

I forgot to mention that both digital an analog encryption has been used on
Part 15 49 MHz voice devices for about twenty years too, check out many of
the old phones and intercoms.

Kurt

1183. Re: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-21 04:44:20 UTC
From: Facility 406 DM09
Topic: 1172 Message: 1183

What part of Part 15?

Kurt

----- Original Message -----
From: "bruce mallon" <wa4gch@...>

: This is fine but how do you comply with part 15 ?

1184. Re: [49MHz] Re: The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-21 04:38:30 UTC
From: Facility 406 DM09
Topic: 1172 Message: 1184

Yes, I used to have a beacon in the 90's that transmitted Commodore and similar tapes. My first transmission used the boot cassette from an old Wang at work around 1992. I still have many bankers boxes of the data cassettes, both micro and standard transport, I think about doing it again from time to time.

Interesting idea... I could play the data cassettes into my computer and record it as a .wav file, then you could play it, connect the headphones jack of your computer to your 49 MHz device audio input or modulator.

I still have full-blown Vic 20, Commodore SX-64 and 128 systems as well as Timex Sinclair 1000's, a beacon image or data string could be programmed, sent to the recorder port and recorded on a new computer for current data in a current format.

I've also thought about beacons of the data output of some of my old TelStar video game consoles.

Kurt

----- Original Message -----
From: "eamoniski" <eamoniski@...>

bell) would broadcast computer programs over the air for hobbyists to record and use on their cassette driven computers. Has anyone ever tried that on 49 MHz? Back in the day when I had a Color Computer 3 I was going to try it with a friend over using my Part 15 AM Broadcast band transmitter, but we never got around to it. Now (to be honest) I wouldn't even know how to try that experiment with my Toshiba Satellite notebook.

1185. Re: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-21 13:04:50 UTC
From: wa4gch@yahoo.com
Topic: 1172 Message: 1185

FCC rules....

http://edocket.access.gpo.gov/cfr_2008/octqtr/pdf/47cfr15.231.pdf

Now this should at least give all of us a starting point as to fcc rules ....
For 49 mhz the following would apply ..... this is from coardless phone rules ...

17	46.630	49.845
18	46.670	49.860
19	46.710	49.770
20	46.730	49.875
21	46.770	49.830
22	46.830	49.890
23	46.870	49.930
24	46.930	49.990
25	46.970	49.970

(c) The field strength of the fundamental emission shall not exceed 10,000 microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in § 15.35 for limiting peak emissions apply.

(d) The fundamental emission shall be confined within a 20 kHz band and shall be centered on a carrier frequency shown above, as adjusted by the frequency tolerance of the transmitter at the time testing is performed. Modulation products outside of this 20 kHz band shall be attenuated at least 26 dB below the level of the unmodulated carrier or to the general limits in § 15.209, whichever permits the higher emission levels. Emissions on any frequency more than 20 kHz removed from the center frequency shall consist solely of unwanted emissions and shall not exceed the general radiated emission limits in § 15.209. Tests to determine compliance with these requirements shall be performed using an appropriate input signal as prescribed in § 2.989 of this chapter.

Part 15 bands are as follows

Band

Typical Use

160 - 190 kHz

Hobbyist

510 - 1705 kHz

Hobbyist

1.705 - 10 MHz

General

13.553 - 13.567 MHz

General

26.96 - 27.28 MHz

Hobbyist, walkie-talkie, baby monitor, etc.

40.66 - 40.70 MHz

Perimeter protection systems, control systems

43.71 - 44.49 MHz

Cordless telephones

46.60 - 46.98 MHz

Cordless telephones

48.75 - 49.51 MHz

Cordless telephones

49.66 - 50.0 MHz

Cordless telephones, walkie-talkie, baby monitor, etc.

72.0 - 73.0 MHz

Auditory assistance devices

74.6 - 74.8 MHz

"

75.2 - 76.0 MHz

"

88.0 - 108.0 MHz

Hobbyist, miscellaneous

174.0 - 216.0 MHz

Biomedical telemetry on unused TV channels

890.0 - 940.0 MHz

Measurement systems, Amateur

902.0 - 928.0 MHz

Multiple Part 15 uses, Amateur

--- On Tue, 4/21/09, Facility 406 DM09 <facility_406@...> wrote:

From: Facility 406 DM09 <facility_406@...>
Subject: Re: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.
To: 49megahertz@yahoogroups.com
Date: Tuesday, April 21, 2009, 12:44 AM

What part of Part 15?

Kurt

----- Original Message -----
From: "bruce mallon" <wa4gch@yahoo. com>

: This is fine but how do you comply with part 15 ?

1186. Re: [49MHz] Re: The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-22 01:39:03 UTC
From: James Alexander
Topic: 1172 Message: 1186

I too still have my retro computers, mainly Commodore 64 (& C16), Atari 8bits, even a TI99/4a and TS1000. I too would be interested in trying this out with someone within range.

On Tue, Apr 21, 2009 at 12:38 AM, Facility 406 DM09 <facility_406@...> wrote:

>
>
> Yes, I used to have a beacon in the 90's that transmitted Commodore and
> similar tapes. My first transmission used the boot cassette from an old
> Wang at work around 1992. I still have many bankers boxes of the data
> cassettes, both micro and standard transport, I think about doing it again
> from time to time.
>
> Interesting idea... I could play the data cassettes into my computer and
> record it as a .wav file, then you could play it, connect the headphones
> jack of your computer to your 49 MHz device audio input or modulator.
>
> I still have full-blown Vic 20, Commodore SX-64 and 128 systems as well as
> Timex Sinclair 1000's, a beacon image or data string could be programmed,
> sent to the recorder port and recorded on a new computer for current data
> in
> a current format.
>
> I've also thought about beacons of the data output of some of my old
> TelStar
> video game consoles.
>
> Kurt
>
>
> ----- Original Message -----
> From: "eamoniski" <eamoniski@... <eamoniski%40yahoo.com>>
>
> bell) would broadcast computer programs over the air for hobbyists to
> record
> and use on their cassette driven computers. Has anyone ever tried that on
> 49 MHz? Back in the day when I had a Color Computer 3 I was going to try it
> with a friend over using my Part 15 AM Broadcast band transmitter, but we
> never got around to it. Now (to be honest) I wouldn't even know how to try
> that experiment with my Toshiba Satellite notebook.
>
>
>

1187. Re: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-21 23:49:49 UTC
From: Facility 406 DM09
Topic: 1172 Message: 1187

From what I recall, cordless phones have their own set of rules with references to Part 15. Use Part 15 direct, everything applying to walkie-talkies-baby monitors, intercoms, remotes, radio controls, radio modems and so forth is there. I don't have it handy at the moment, but the rules are VERY basic. So many uV per meter, maximum antenna length and bandwidth. AM, FM, voice, data, it's all been used over the past twenty-five years that I personally know of and probably longer.

I'm wondering if a few services and bands are missing from the chart you sent or maybe I am confusing it with Part 15 type operations under Part 95?
Kurt

1188. Re: [49MHz] Re: The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-22 03:16:43 UTC
From: Facility 406 DM09
Topic: 1172 Message: 1188

Glad to see I'm not the only crazy one. My oldest computer is a Magnavox from 1969. It's built into a suitcase, the "programs" are some sort of chip on a porcelain substrate card about 3x5" with a black plastic handle on one end and edge contacts on the other.

Kurt

1189. Re: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-22 09:55:05 UTC
From: bruce mallon
Topic: 1172 Message: 1189

It was ment to be basic however these rules apply to HTs as well as any form of base station.....

NOW the problem is how to you apply DIGITAL to these old RMS measurements ?

--- On Tue, 4/21/09, Facility 406 DM09 <facility_406@...> wrote:

From: Facility 406 DM09 <facility_406@earthlink.net>
Subject: Re: [49MHz] The Hobby Of 49 MHz is getting Old should go digital.
To: 49megahertz@yahoogroups.com
Date: Tuesday, April 21, 2009, 7:49 PM

From what I recall, cordless phones have their own set of rules with references to Part 15. Use Part 15 direct, everything applying to walkie-talkies- baby monitors, intercoms, remotes, radio controls, radio modems and so forth is there. I don't have it handy at the moment, but the rules are VERY basic. So many uV per meter, maximum antenna length and bandwidth. AM, FM, voice, data, it's all been used over the past twenty-five years that I personally know of and probably longer.

I'm wondering if a few services and bands are missing from the chart you sent or maybe I am confusing it with Part 15 type operations under Part 95?
Kurt

1190. Re: [49MHz] Re: The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-22 06:19:57 UTC
From: kevin asato
Topic: 1172 Message: 1190

I still use my TRS-80 Model 102 laptop. It's outlasted anything with an 80x86 architecture. Just can't handle the bloated apps!

kevin
kc6pob

--- On Tue, 4/21/09, Facility 406 DM09 <facility_406@...> wrote:
From: Facility 406 DM09 <facility_406@...>
Subject: Re: [49MHz] Re: The Hobby Of 49 MHz is getting Old should go digital.
To: 49megahertz@yahoogroups.com
Date: Tuesday, April 21, 2009, 8:16 PM

Glad to see I'm not the only crazy one. My oldest computer is a Magnavox

from 1969. It's built into a suitcase, the "programs" are some sort of chip

on a porcelain substrate card about 3x5" with a black plastic handle on one

end and edge contacts on the other.

Kurt

1191. Re: [49MHz] Re: The Hobby Of 49 MHz is getting Old should go digital.

Yahoo group: 49megahertz
Date: 2009-04-22 16:24:17 UTC
From: bruce mallon
Topic: 1172 Message: 1191

I still have a C-64 with 5.25in drive .... the good old days ......

--- On Wed, 4/22/09, kevin asato <kc6pob@...> wrote:

From: kevin asato <kc6pob@...>
Subject: Re: [49MHz] Re: The Hobby Of 49 MHz is getting Old should go digital.
To: 49megahertz@yahoogroups.com
Date: Wednesday, April 22, 2009, 2:19 AM

I still use my TRS-80 Model 102 laptop. It's outlasted anything with an 80x86 architecture. Just can't handle the bloated apps!

kevin
kc6pob

--- On Tue, 4/21/09, Facility 406 DM09 <facility_406@ earthlink. net> wrote:

From: Facility 406 DM09 <facility_406@ earthlink. net>
Subject: Re: [49MHz] Re: The Hobby Of 49 MHz is getting Old should go digital.
To: 49megahertz@ yahoogroups. com
Date: Tuesday, April 21, 2009, 8:16 PM

Glad to see I'm not the only crazy one. My oldest computer is a Magnavox
from 1969. It's built into a suitcase, the "programs" are some sort of chip
on a porcelain substrate card about 3x5" with a black plastic handle on one
end and edge contacts on the other.

Kurt

1192. [Administrivia] Delays likely

Yahoo group: 49megahertz
Date: 2009-04-22 05:14:13 UTC
From: Michael
Topic: 1192 Message: 1192

All,

I have the 49MHz YahooGroup set up so that, to prevent spam, I have to moderate a member's first two (if I remember correctly) posts. After that, they're free to post as much as they want. For some reason, over the last few days Yahoo has taken to making me moderate about half the posts that go through, even for members who have been posting on this group for years.

I'm not sure why (overzealous spam filtering?) but it's happened before and it has usually cleared itself up within a few days. I'm looking into it to see if I can find the cause. In the meantime, don't be alarmed if you see a delay of a few hours on your posts. Sorry for the inconvenience.

Thanks,

Mike Aquilina, KB3HFP
49MHz list moderator

1193. Re: [49MHz] [Administrivia] Delays likely

Yahoo group: 49megahertz
Date: 2009-04-23 02:21:30 UTC
From: Facility 406 DM09
Topic: 1192 Message: 1193

Over zealous filtering. Many groups have been discussing this over the past year or so. Unfortunately, yahoo does not provide a list of the words they filter.

Kurt

----- Original Message -----
From: "Michael" <kb3hfp@...>

I'm not sure why (overzealous spam filtering?) but it's happened before and it has usually cleared itself up within a few days. I'm looking into it to see if I can find the cause. In the meantime, don't be alarmed if you see a delay of a few hours on your posts. Sorry for the inconvenience.

1194. Re: [Administrivia] Delays likely

Yahoo group: 49megahertz
Date: 2009-05-17 01:14:10 UTC
From: seanradios
Topic: 1192 Message: 1194

--- In 49megahertz@yahoogroups.com, "Michael" <kb3hfp@...> wrote:
>
> All,
>
> I have the 49MHz YahooGroup set up so that, to prevent spam, I have to moderate a member's first two (if I remember correctly) posts. After that, they're free to post as much as they want. For some reason, over the last few days Yahoo has taken to making me moderate about half the posts that go through, even for members who have been posting on this group for years.
>
> I'm not sure why (overzealous spam filtering?) but it's happened before and it has usually cleared itself up within a few days. I'm looking into it to see if I can find the cause. In the meantime, don't be alarmed if you see a delay of a few hours on your posts. Sorry for the inconvenience.
>
> Thanks,
>
> Mike Aquilina, KB3HFP

Hi Mike

No problem.This group look really great.
Thanks Sean, KC4KTY

> 49MHz list moderator
>

1195. Re: [49MHz] radio shack 21-402

Yahoo group: 49megahertz
Date: 2009-05-17 01:24:55 UTC
From: seanradios
Topic: 1052 Message: 1195

--- In 49megahertz@yahoogroups.com, "Facility 406 DM09" <facility_406@...> wrote:
>
>
> : I have the service manual for that rig if you need it.
> :
> : Kurt
> :
> : ----- Original Message -----
> : From: "jay2at434va" <jay@...>
> : To: <49megahertz@yahoogroups.com>
> : Sent: Sunday, December 24, 2006 19:44
> : Subject: [49MHz] radio shack 21-402
> :
> :
> : Guys I have a radio shack 5 channel FM handheld that I've had around
> : for several years. Just broke it out of the closet, and would like to
> : try to bring it up on 6 meters.

Hi my name is Sean ,Call KC4KTY I also have a TRC 503 21-402
5 channel FM Transceiver..Can you make me a copy of that Service
Manual???

Thanks and 73's
Sean
KC4KTY

> :
> : The xtal in this thing is 10.240. Does anyone know what I would need
> : to do to bring it up to the low end of 6 meters? Thanks in advance.
> :
> : Jay
> :
> :
> :
> :
>

1196. Hi Every one new to group /but not to 49Mhz

Yahoo group: 49megahertz
Date: 2009-05-17 01:09:15 UTC
From: seanradios
Topic: 1196 Message: 1196

Hi everyone

I did not know this group existed,but I did find another 49Mhz group also and thought this was that group.

Anyways Does anyone have a Service manual for the TRC 503
Five channel FM Tranceiver Walkie Talkie.. I have been doing 49 Mhz
since the 1980's. I am an Retired engineer for the US Government,and now I have lots of time on my hands. My wife passed awy two years
ago and Raising my my daughter who I had very late in life.
Anyway I saw some really interesting post...

At one time I know 49mhz was allow 100mw and now it has changed to
10,000 microvolts@3 meters... Does anyone know why of such a change..
I had at one time Walkie talkies that said 100mw input power output
50 milliwatts... So I know there has been a change in the FCC rules
over time.

Sean

1197. Re: [49MHz] radio shack 21-402

Yahoo group: 49megahertz
Date: 2009-05-17 20:57:35 UTC
From: bruce mallon
Topic: 1052 Message: 1197

e-mail me it too.

--- On Sat, 5/16/09, seanradios <seanradios@...> wrote:

From: seanradios <seanradios@...>
Subject: Re: [49MHz] radio shack 21-402
To: 49megahertz@yahoogroups.com
Date: Saturday, May 16, 2009, 9:24 PM

--- In 49megahertz@ yahoogroups. com, "Facility 406 DM09" <facility_406@ ...> wrote:
>
>
> : I have the service manual for that rig if you need it.
> :
> : Kurt
> :
> : ----- Original Message -----
> : From: "jay2at434va" <jay@...>
> : To: <49megahertz@ yahoogroups. com>
> : Sent: Sunday, December 24, 2006 19:44
> : Subject: [49MHz] radio shack 21-402
> :
> :
> : Guys I have a radio shack 5 channel FM handheld that I've had around
> : for several years. Just broke it out of the closet, and would like to
> : try to bring it up on 6 meters.

Hi my name is Sean ,Call KC4KTY I also have a TRC 503 21-402
5 channel FM Transceiver. .Can you make me a copy of that Service
Manual???

Thanks and 73's
Sean
KC4KTY

> :
> : The xtal in this thing is 10.240. Does anyone know what I would need
> : to do to bring it up to the low end of 6 meters? Thanks in advance.
> :
> : Jay
> :
> :
> :
> :
>

1198. Re: [Administrivia] Delays likely

Yahoo group: 49megahertz
Date: 2009-05-17 22:46:22 UTC
From: Rascal Coyote
Topic: 1192 Message: 1198

Hi,
I was wondering why my posts were still being moderated.
It's one of the reasons I haven't been so active in this group.
I apologize for not being so active in this group.

49N7AB
Adam B.

--- In 49megahertz@yahoogroups.com, "seanradios" <seanradios@...> wrote:
>
> --- In 49megahertz@yahoogroups.com, "Michael" <kb3hfp@> wrote:
> >
> > All,
> >
> > I have the 49MHz YahooGroup set up so that, to prevent spam, I have to moderate a member's first two (if I remember correctly) posts. After that, they're free to post as much as they want. For some reason, over the last few days Yahoo has taken to making me moderate about half the posts that go through, even for members who have been posting on this group for years.
> >
> > I'm not sure why (overzealous spam filtering?) but it's happened before and it has usually cleared itself up within a few days. I'm looking into it to see if I can find the cause. In the meantime, don't be alarmed if you see a delay of a few hours on your posts. Sorry for the inconvenience.
> >
> > Thanks,
> >
> > Mike Aquilina, KB3HFP
>
>
>
>
>
>
> Hi Mike
>
> No problem.This group look really great.
> Thanks Sean, KC4KTY
>
> > 49MHz list moderator
> >
>

1199. Re: Hi Every one new to group /but not to 49Mhz

Yahoo group: 49megahertz
Date: 2009-05-17 22:49:51 UTC
From: Rascal Coyote
Topic: 1196 Message: 1199

HI,
Welcome to the club. :)

I'm still trying to Figure out what the Canadian Rules are for 49 Mhz.

49N7AB

Adam B.

--- In 49megahertz@yahoogroups.com, "seanradios" <seanradios@...> wrote:
>
> Hi everyone
>
> I did not know this group existed,but I did find another 49Mhz group also and thought this was that group.
>
> Anyways Does anyone have a Service manual for the TRC 503
> Five channel FM Tranceiver Walkie Talkie.. I have been doing 49 Mhz
> since the 1980's. I am an Retired engineer for the US Government,and now I have lots of time on my hands. My wife passed awy two years
> ago and Raising my my daughter who I had very late in life.
> Anyway I saw some really interesting post...
>
> At one time I know 49mhz was allow 100mw and now it has changed to
> 10,000 microvolts@3 meters... Does anyone know why of such a change..
> I had at one time Walkie talkies that said 100mw input power output
> 50 milliwatts... So I know there has been a change in the FCC rules
> over time.
>
> Sean
>

1201. What Frequencies Should We Reserve For Emergencies?

Yahoo group: 49megahertz
Date: 2009-07-19 18:00:32 UTC
From: Adam E.
Topic: 1201 Message: 1201

I have a question to see if I am right about this. Do we leave
the main channel Channel C 49.860 MHz open for survival and emergency
communications? You never know what is going to happen and we need to keep this channel
open for emergency/natural disaster communications and public alerts. I will be just using
the other frequency for the 1 way transmission called 49.405 MHz since there are not a lot
of users
on that frequency for a 49 MHz broadcast. I am sorry that I don't have
access to a baby monitor to use 49.890 MHz. We need to talk about this even when Hurricane
Season and Lightning Warnings are in the area.

Adam E 49N4AE

1202. 49 MHz - Using Wireless Headphones that run on 49.860 MHz

Yahoo group: 49megahertz
Date: 2010-05-15 20:04:00 UTC
From: Adam E
Topic: 1202 Message: 1202

Group,

It's been a long time since I posted. I got some headphones that do not run on microwave frequencies, not even 900 MHz, or 72 MHz. The headphones run on 49.860 MHz Channel C on Narrow FM or Wide FM. I have been using them with my computer netbook, radio broadcast station set up and the sound quality is good. Problem is that they are not digital or voice scrambled, so the wireless headphones transmitter goes very far up to 30 feet and 49 MHz monitors, scanner listeners can tune in what you are listening to so I have to be aware what I play through the headphones, so I just run my AM station with them that is on 540 kHz. They run on 4 AAA batteries, and 2 AA batteries (the headset). The model number is Model R58. Is there any other headphones that bettery privacy and range? Another problem is that they are not in stereo so what is the meaning for the use of stereo connectors??

Adam Ebel 49N4AE
Virginia Beach, VA

1203. Howdy Everyone

Yahoo group: 49megahertz
Date: 2010-06-02 08:07:11 UTC
From: bachelorsgrove_com
Topic: 1203 Message: 1203

Wow, it's been way too long... Just stopped by at 3:00 A.M. on a random night to see if anyone still monitors the group.

I still have about 20+ 49MHz radios laying around and it would be great to start doing something again.

Pete
49N9PC

1204. Re: [49MHz] Howdy Everyone

Yahoo group: 49megahertz
Date: 2010-06-02 09:38:08 UTC
From: bruce mallon
Topic: 1203 Message: 1204

I monitor 49.860 and also have a collection of radios just little time to play with them.

--- On Wed, 6/2/10, bachelorsgrove_com <pcrapia@bachelorsgrove.com> wrote:

From: bachelorsgrove_com <pcrapia@...>
Subject: [49MHz] Howdy Everyone
To: 49megahertz@yahoogroups.com
Date: Wednesday, June 2, 2010, 4:07 AM

Wow, it's been way too long... Just stopped by at 3:00 A.M. on a random night to see if anyone still monitors the group.

I still have about 20+ 49MHz radios laying around and it would be great to start doing something again.

Pete
49N9PC

1208. Mobile , Animal , Flower & Love Wallpaper 9:17:53 AM8/10/2010

Yahoo group: 49megahertz
Date: 2010-08-10 05:17:53 UTC
From: Zhamak Boobs
Topic: 1208 Message: 1208

9:17:53 AM

Mobile , Animal , Flower & Love Wallpaper

Landscape Mobile Cats2
Mobile 20 Wallpaper cats1
best Mobile Wallpaper Frog_Wallpapers
Mobile Wallpaper 2010 Beautiful Animals Wallpap
Best Mobile Wallpaper-1 Cartoon Cats Pictures
Cute Mobile Wallpaper1 Animal
Best Mobile Wallpaper 2 Graphic Wallpaper1
Best Mobile Wallpaper 3 exotic birds
Love WallpaperFlowers
Lovely WallpaperFlowers1
Lovely Wallpaper 2Flower Wallpapers 3
Lovely Wallpaper-3 HQ Beautiful Flowers
Wallpaper Love & kiss Black2
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Model WallpaperFamous Artists & Singers picHot Wallpaper
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1210. Fw : You could download all your favorite music , videos , wallpapers for FREE!

Yahoo group: 49megahertz
Date: 2010-08-18 01:07:35 UTC
From: Sali Rostami
Topic: 1210 Message: 1210

5:07:35 AM

My friend sent this email to me , and as I found it so interesting , I forwarded it to you . Hope you enjoy it too. (No Spam)

Dear Friend!
Congratulations! You could download all your favorite music , videos , wallpapers for FREE!

Best 2010 video Clips : http://bestclip.utc.ir

Famous Hot Artists & Singers pic : http://singer-artists.utc.ir
Hot Model Wallpaper : http://modelwallpaper.fay.ir

Best Desktop Wallpaper Pack 1 : http://desktopwallpaper.co1.ir
Best Desktop Wallpaper Pack 2 : http://desktopwallpaper.rdn.ir
Love Wallpaper : http://lovewallpaper.co1.ir
Best Cars 2011 : http://bestcar.fay.ir

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Best Mobile Ringtone Pack 2 : http://ringtone.kis.ir
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(Please note that because of so many downloads , all files are uploaded in file sharings)

1211. Spam Issue Here and Need Ways To Establish Better Communications

Yahoo group: 49megahertz
Date: 2011-02-15 23:45:43 UTC
From: Adam E
Topic: 1211 Message: 1211

I have seen that there is a spam issue going on here. Has anyone over here notice? Looks like spambots are being pests here.

Now my idea, is that 49 MHz needs to go digital, but how? I am trying to figure that out. If possible then the communications can be encrypted or unencrypted. Also with digital mode communications there could be a way to use a codec to encode and decode video or data. I could use Digital Radio Monodiale on 49 MHz to broadcast a experimental transmission. 49 MHz requires at least 5 kHz of bandwidth which will be good for DRM 2 way communications. Sounds like a good idea? Let me know.

Adam Ebel
Virginia Beach, VA

1212. Lazy OEM's : It's Possible To Make 49 MHz Stereo Headphones using 2 channels

Yahoo group: 49megahertz
Date: 2011-02-16 00:50:48 UTC
From: Adam E
Topic: 1212 Message: 1212

I got a pair of 49 MHz wireless headphones that only receive in mono, but if the manufacturers would just start making a 2 channel transmitter and a 2 channel receiver it's possible to hear your favorite music in stereo using 2 frequencies. If they do this make a 2 channel transmitter and a 2 channel receiver, I would really buy it. I bet others will and hear the music programming better. 49.405 MHz always been used for duplex 2 way transmissions, but when there is nothing there, that frequency can be used for sending and receiving right channel audio. Like I said they built it cheap, and the headphones are useless for stereo music. They should of just gave me just a mono jack adapter, cause it does not make a difference. Buyer beware, don't buy headphones that are 49 MHz, there is no stereo separation. BTW, there are no cordless phones and baby monitors are moving up to 900 MHz and 2.4 GHz, then some will move in DECT bands, I have a cordless phone that is a DECT 6.0 not 49 MHz. Only thing we have for 49 MHz is AM and NFM walkie talkies and these headphones, and old remote control cars and boats.

49.405 MHz - Right Channel Audio
49.860 MHz - Left Channel Audio

Adam Ebel
Virginia Beach, Virginia

1213. RE: [49MHz] Lazy OEM's : It's Possible To Make 49 MHz Stereo Headphones using 2 channels

Yahoo group: 49megahertz
Date: 2011-02-16 02:33:53 UTC
From: Skip Talker
Topic: 1212 Message: 1213

May be stereo, but limited to the voice bandwidth typically 300 Hz to 300 Khz, Not very hi fi compared to a typical stereo bandwidth of several thousand Khz.

To: 49megahertz@yahoogroups.com
From: gccengineering@...
Date: Wed, 16 Feb 2011 00:50:48 +0000
Subject: [49MHz] Lazy OEM's : It's Possible To Make 49 MHz Stereo Headphones using 2 channels

I got a pair of 49 MHz wireless headphones that only receive in mono, but if the manufacturers would just start making a 2 channel transmitter and a 2 channel receiver it's possible to hear your favorite music in stereo using 2 frequencies. If they do this make a 2 channel transmitter and a 2 channel receiver, I would really buy it. I bet others will and hear the music programming better. 49.405 MHz always been used for duplex 2 way transmissions, but when there is nothing there, that frequency can be used for sending and receiving right channel audio. Like I said they built it cheap, and the headphones are useless for stereo music. They should of just gave me just a mono jack adapter, cause it does not make a difference. Buyer beware, don't buy headphones that are 49 MHz, there is no stereo separation. BTW, there are no cordless phones and baby monitors are moving up to 900 MHz and 2.4 GHz, then some will move in DECT bands, I have a cordless phone that is a DECT 6.0 not 49 MHz. Only thing we have for 49 MHz is AM and NFM walkie talkies and these headphones, and old remote control cars and boats.

49.405 MHz - Right Channel Audio

49.860 MHz - Left Channel Audio

Adam Ebel

Virginia Beach, Virginia

1214. RE: [49MHz] Spam Issue Here and Need Ways To Establish Better Communications

Yahoo group: 49megahertz
Date: 2011-02-16 02:39:19 UTC
From: Skip Talker
Topic: 1211 Message: 1214

I'll throw out an idea, google WSPR, for Weak Signal Propagation Reporter.

It is an automated program that can send signals and copy them and reports them back to a database. It is for hams but some are using it in the 138 Khz and 500 Khz unlicensed bands. It would require more stable equipment then typical 49 Mhz stuff. Would be USB also,. Can you legally use a converted ham radio?

To: 49megahertz@yahoogroups.com
From: gccengineering@yahoo.com
Date: Tue, 15 Feb 2011 23:45:43 +0000
Subject: [49MHz] Spam Issue Here and Need Ways To Establish Better Communications

I have seen that there is a spam issue going on here. Has anyone over here notice? Looks like spambots are being pests here.

Now my idea, is that 49 MHz needs to go digital, but how? I am trying to figure that out. If possible then the communications can be encrypted or unencrypted. Also with digital mode communications there could be a way to use a codec to encode and decode video or data. I could use Digital Radio Monodiale on 49 MHz to broadcast a experimental transmission. 49 MHz requires at least 5 kHz of bandwidth which will be good for DRM 2 way communications. Sounds like a good idea? Let me know.

Adam Ebel

Virginia Beach, VA

1215. RE: [49MHz] Lazy OEM's : It's Possible To Make 49 MHz Stereo Headphones using 2 channels

Yahoo group: 49megahertz
Date: 2011-02-16 02:40:08 UTC
From: Skip Talker
Topic: 1212 Message: 1215

Whoops my bad should be 300 Hz to 3 Khz

To: 49megahertz@yahoogroups.com
From: dx1320@...
Date: Tue, 15 Feb 2011 18:33:53 -0800
Subject: RE: [49MHz] Lazy OEM's : It's Possible To Make 49 MHz Stereo Headphones using 2 channels

May be stereo, but limited to the voice bandwidth typically 300 Hz to 300 Khz, Not very hi fi compared to a typical stereo bandwidth of several thousand Khz.

To: 49megahertz@yahoogroups.com
From: gccengineering@...
Date: Wed, 16 Feb 2011 00:50:48 +0000
Subject: [49MHz] Lazy OEM's : It's Possible To Make 49 MHz Stereo Headphones using 2 channels

I got a pair of 49 MHz wireless headphones that only receive in mono, but if the manufacturers would just start making a 2 channel transmitter and a 2 channel receiver it's possible to hear your favorite music in stereo using 2 frequencies. If they do this make a 2 channel transmitter and a 2 channel receiver, I would really buy it. I bet others will and hear the music programming better. 49.405 MHz always been used for duplex 2 way transmissions, but when there is nothing there, that frequency can be used for sending and receiving right channel audio. Like I said they built it cheap, and the headphones are useless for stereo music. They should of just gave me just a mono jack adapter, cause it does not make a difference. Buyer beware, don't buy headphones that are 49 MHz, there is no stereo separation. BTW, there are no cordless phones and baby monitors are moving up to 900 MHz and 2.4 GHz, then some will move in DECT bands, I have a cordless phone that is a DECT 6.0 not 49 MHz. Only thing we have for 49 MHz is AM and NFM walkie talkies and these headphones, and old remote control cars and boats.

49.405 MHz - Right Channel Audio

49.860 MHz - Left Channel Audio

Adam Ebel

Virginia Beach, Virginia

1216. RE: [49MHz] Spam Issue Here and Need Ways To Establish Better Communications

Yahoo group: 49megahertz
Date: 2011-02-16 02:43:32 UTC
From: bruce mallon
Topic: 1211 Message: 1216

for part 15 ? I don't think so however nothing stops you from building your own transmiter If I had the time I would do it for PSK-31 since it is so easy to generate and decode

--- On Tue, 2/15/11, Skip Talker <dx1320@...> wrote:

From: Skip Talker <dx1320@...>
Subject: RE: [49MHz] Spam Issue Here and Need Ways To Establish Better Communications
To: 49megahertz@yahoogroups.com
Date: Tuesday, February 15, 2011, 9:39 PM

I'll throw out an idea, google WSPR, for Weak Signal Propagation Reporter.

It is an automated program that can send signals and copy them and reports them back to a database. It is for hams but some are using it in the 138 Khz and 500 Khz unlicensed bands. It would require more stable equipment then typical 49 Mhz stuff. Would be USB also,. Can you legally use a converted ham radio?

To: 49megahertz@yahoogroups.com
From: gccengineering@...
Date: Tue, 15 Feb 2011 23:45:43 +0000
Subject: [49MHz] Spam Issue Here and Need Ways To Establish Better Communications

I have seen that there is a spam issue going on here. Has anyone over here notice? Looks like spambots are being pests here.

Now my idea, is that 49 MHz needs to go digital, but how? I am trying to figure that out. If possible then the communications can be encrypted or unencrypted. Also with digital mode communications there could be a way to use a codec to encode and decode video or data. I could use Digital Radio Monodiale on 49 MHz to broadcast a experimental transmission. 49 MHz requires at least 5 kHz of bandwidth which will be good for DRM 2 way communications. Sounds like a good idea? Let me know.

Adam Ebel
Virginia Beach, VA

1217. SSTV and RTTY : Makes 49 MHz Be Digital

Yahoo group: 49megahertz
Date: 2011-03-26 08:01:17 UTC
From: Adam E
Topic: 1217 Message: 1217

Folks,

I have some great news, I found a way to be digital with my 49 MHz rig. I downloaded MMSSTV and Hamscope yesterday, and I installed it and I used it to send practice transmissions from the sound card to the 49 MHz transmitter. I did a SSTV transmission via 49 MHz and sent one of my photos of me and my girlfriend during Thanksgiving to another computer with the Pro 96 receiver. My days of being AM mode analog are almost over. The hamscope software gave me a chance to send a 7 day forecast over the air on 49.860 MHz using BPSK. This technology made it possible to create a non internet messenger using 2 channels to have me and Tina communicate with each other without the internet or cell phones. I can write a paragraph, or send a picture now over 49 MHz. I should of done this along time ago. Ham radio software is not just for hams anymore. You can also take a external speaker and couple it with the FM transciever and do this too as well. 49 MHz and part 15 is another form of ham radio without the license that not everyone can get. And no I am not sending nothing private over the air it's publicy available, just get the software and connect your radio and learn more about it.

Have a great weekend!

http://mmhamsoft.amateur-radio.ca/

1218. TRC-508 - Ebay Sale

Yahoo group: 49megahertz
Date: 2011-12-28 15:24:20 UTC
From: bachelorsgrove_com
Topic: 1218 Message: 1218

Howdy all,

I currently have four 49MHz radios for sale on Ebay that are the "secret service" style units by Radio Shack. I may be selling more of my 49MHz gear as well but here is the link if interested in the current ones for sale:

http://www.ebay.com/itm/180783169871?ssPageName=STRK:MESELX:IT&_trksid=p3984.m1555.l2649

Pete

1219. (no subject)

Yahoo group: 49megahertz
Date: 2012-05-20 18:11:21 UTC
From: bruce mallon
Topic: 1219 Message: 1219

...Earn more and be successful at online
http://safogo.com/twitter.news.php?ilhotmailID=28wj3

1220. 49 MHz Family and Experimenter Callsigns

Yahoo group: 49megahertz
Date: 2012-12-21 15:51:54 UTC
From: Adam E
Topic: 1220 Message: 1220

I think we need to create and also assign the 49XXXX call signs again for new members and family members. All we need to do is use the map and the last 2 initials. It will keep things organized and keep the databases well organized as well. We just assign them for anyone who has a rig. The FCC has a very good way to keep radio stations cataloged and how to keep them mapped out. I like the call sign system that Michael made.

Adam Ebel 49N4AE
Virginia Beach, VA visiting Augusta, GA for family.